

Railroad Fences Gates and Steel Fence Posts

Made by
American Steel & Wire Company

American Steel & Wire Company

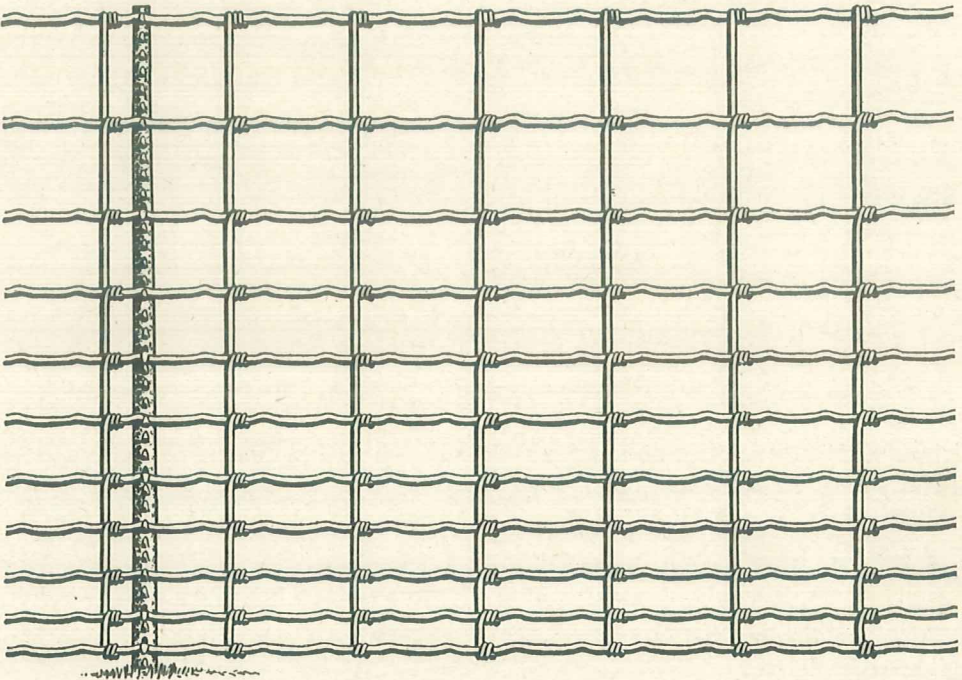
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WORCESTER	94 Grove Street
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Export Representative: U. S. Steel Products Co., New York
Pacific Coast Representative: U. S. Steel Products Company
San Francisco Los Angeles Portland Seattle

Catalogue No. 8
August, 1915
Subject to change without notice.

Catalogue of
**Railroad Fences, Gates
and Galvanized Steel
Fence Posts**



Made by
American Steel & Wire Company

Railroad Fences, Gates and Steel Posts

More than ever before it is desirable for all railroads to erect good right-of-way fencing, and to maintain the fence in first-class condition—

- (a) To comply with legislation, present or prospective.
- (b) Out of consideration for your neighbor.
- (c) In order to prevent accidents to trains, the killing of stock, and consequent stock claims.

In recent years various railroad associations have appointed committees to investigate fencing and posts. While much good work has been accomplished by these committees, many questions on the subject still remain in debate. As large producers of these products, we have been glad to co-operate with the leading engineers of railroads in all sections of the country; as a result of this co-operation and a special study of the needs of railroads under different conditions, we are able to furnish designs of fencing that will meet all requirements of the railroad trade. In the following pages we present illustrations of our full line of fencing materials.

Fence

For right-of-way purposes it is admitted that woven wire fence is the most practical and economical material. All that remains is to determine:

- 1st. Height of fence.
- 2d. Spacing of line wires.
- 3d. Distance between stay wires.
- 4th. Gage of wire to be used.

1st. The height of fence is determined by the laws of the state in which the fence is used. If there are no laws covering the height, a fence 4 to 4½ feet high, with or without one strand of barbed wire above it, will suffice. We are ready at all times to advise on this point.

2d. The spacing of the line wires is governed by the type of farm animals kept in the neighborhood. Where hogs are raised, the spacing should be closer than in sections where it is only necessary to fence against cattle and horses.

3d. The distance between stay wires is generally 6 inches for hog fencing and 12 inches for cattle and horses.

4th. Gage of wire. This is of the utmost importance. We must consider the question of corrosion, which is more pronounced in some sections than in others, as well as the physical abuse which the fence may have to sustain in service. As the cost of posts, setting the posts, and stretching the fence is the same whether a light fence or a heavy one is used, and as the efficient life of the fence is in almost direct proportion to the size of the wires, it becomes simply a matter of economy to specify for the heavy fence.

In this catalog we show three weights of American Railroad Fence:

Railroad Regular.

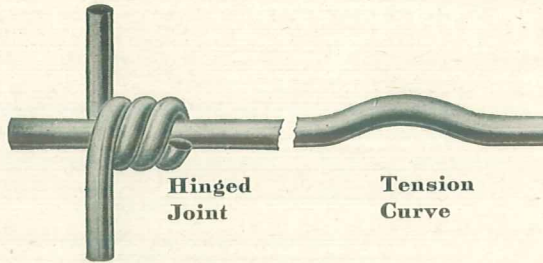
Style 910.

Style All No. 9.

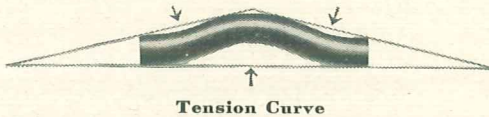
While the first cost of the Railroad Regular is less, the All No. 9 style is by far the most economical fence when strength and lasting qualities are considered. Fully 90 per cent of all the fence now used by railroads is Style All No. 9.

American Railroad Fence

For railroad use American Railroad design is ideal for the following reasons:



The hinged joint which forms the connection between the stays and the longitudinal wires, provides the strongest mechanical union that can be secured, and ample flexibility to permit stretching the fence properly over uneven ground. The two wires are positively locked, so there is no chance to slip sidewise, while at the same time the joint is perfectly free to act like a hinge when pressure from any point is brought to bear upon the fence.



The tension curve in the line wires provides for contraction and expansion due to atmospheric changes. Above illustration shows that the tension curve is not merely a bend, but a triple curve properly set in the bar. When putting the tension curve in American Fence, the operation is performed in such a manner that the integrity of the galvanizing is preserved.

Grade of Wire

After very comprehensive tests we have not been able to discover any difference in the behavior of the wire, whether it is made from Open Hearth or Bessemer Steel. We will supply either grade if the individual customer has any preference.

Hard Stiff Wire

Our wire is made so that it is hard and stiff without being brittle. It is hard enough to stand much physical abuse when properly stretched, and sufficiently ductile to admit of being spliced readily.

Galvanizing

Engineers who know the full extent of the improvements we have made in the quality of our galvanizing, do not hesitate to say that the importance of our achievement in this direction would justify a much greater degree of publicity than we have given it. We have always found that betterment of quality is readily recognized by maintenance-of-way officials, and we feel that our position in the wire industry demands constant achievement in the direction of higher quality.

Good galvanizing depends upon:

- (a) Cleanliness of the wire to be coated.
- (b) Time of immersion.
- (c) Temperature of molten zinc.
- (d) Purity of zinc employed.

It will be seen that combinations without number are possible, but we know that even a slight variation from certain definite conditions will result in poor galvanizing.

After a most careful and systematic series of experiments and tests extending back over 10 years, we found it possible to control within close limits all the conditions required for scientific galvanizing, and this standard practice has been established in all our mills.

It is proper to mention here that our experts encountered great danger from explosions, poisonous fumes, etc., while conducting some of the experiments, and the highest praise is due to these men by whose steadfast devotion to science and duty we have been able to make a most notable advance in galvanizing.

Knowledge of our superiority in this field has not been confined to this country. For years our galvanized fence wire has commanded premiums in the neutral markets of the world over the product of the best European mills.

The coat of galvanizing is intended to protect the steel against corrosion. Under our method the zinc is afforded an opportunity to reveal its true metallic splendor.

Barbed Wire above Woven Fence

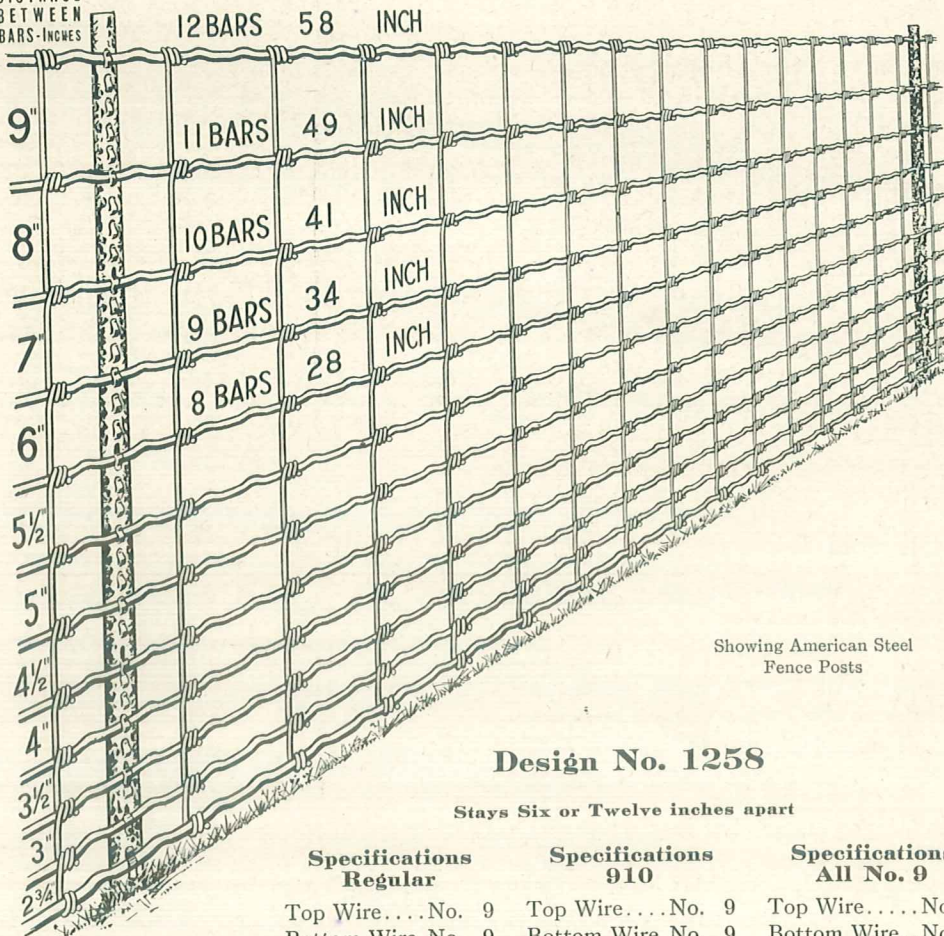
We recommend the use of at least one independent strand of barbed wire placed about 4 inches above the woven wire fence. This prevents farm animals from leaning against the top wire, and it helps to discourage trespassers from climbing the fence.

Steel Fence Posts

When erecting first-class galvanized wire fence, it is also important to have it erected on posts that will not break, burn, rust or decay. Our galvanized steel fence posts afford permanent service, and we invite careful attention to pages No. 38 to No. 47 on this subject.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES



Showing American Steel
Fence Posts

Design No. 1258

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire...No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
1258	58	13.0	\$1.03	17.6	\$1.34

Style 910

1258	58	17.3	\$1.45	23.0	\$1.96
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All No. 9

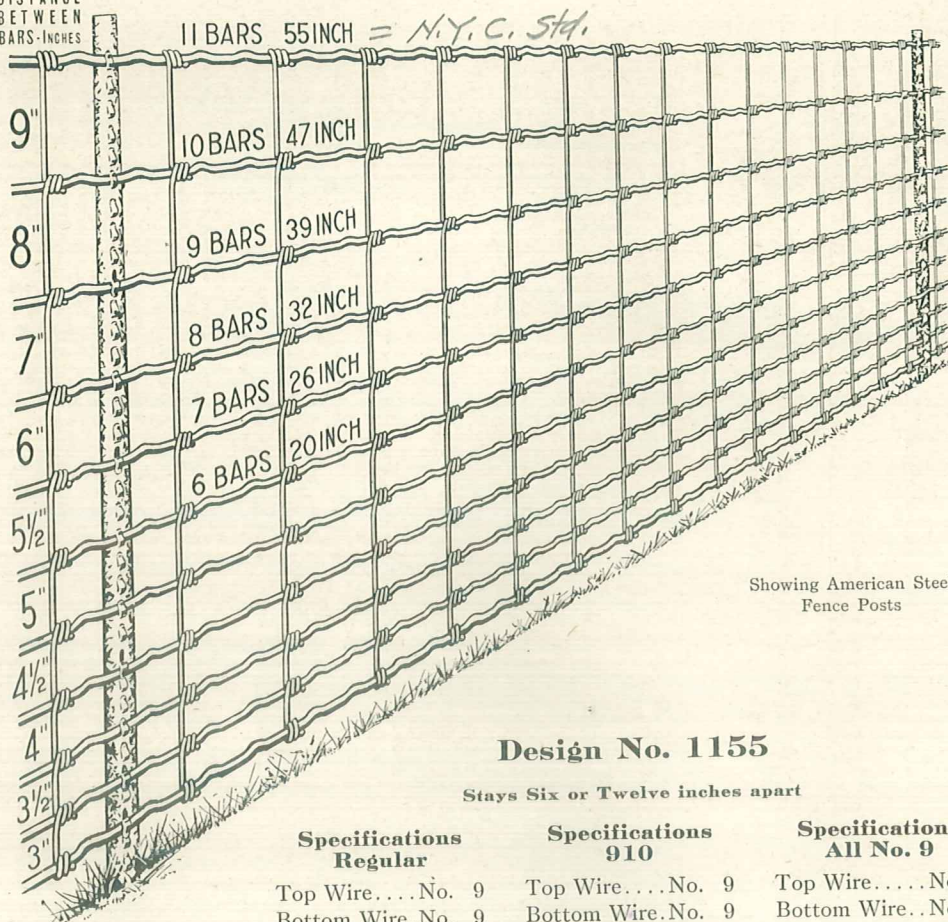
1258	58	19.4	\$1.55	27.2	\$2.15
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS-INCHES



Showing American Steel
Fence Posts

Design No. 1155

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 9
Stay Wire....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

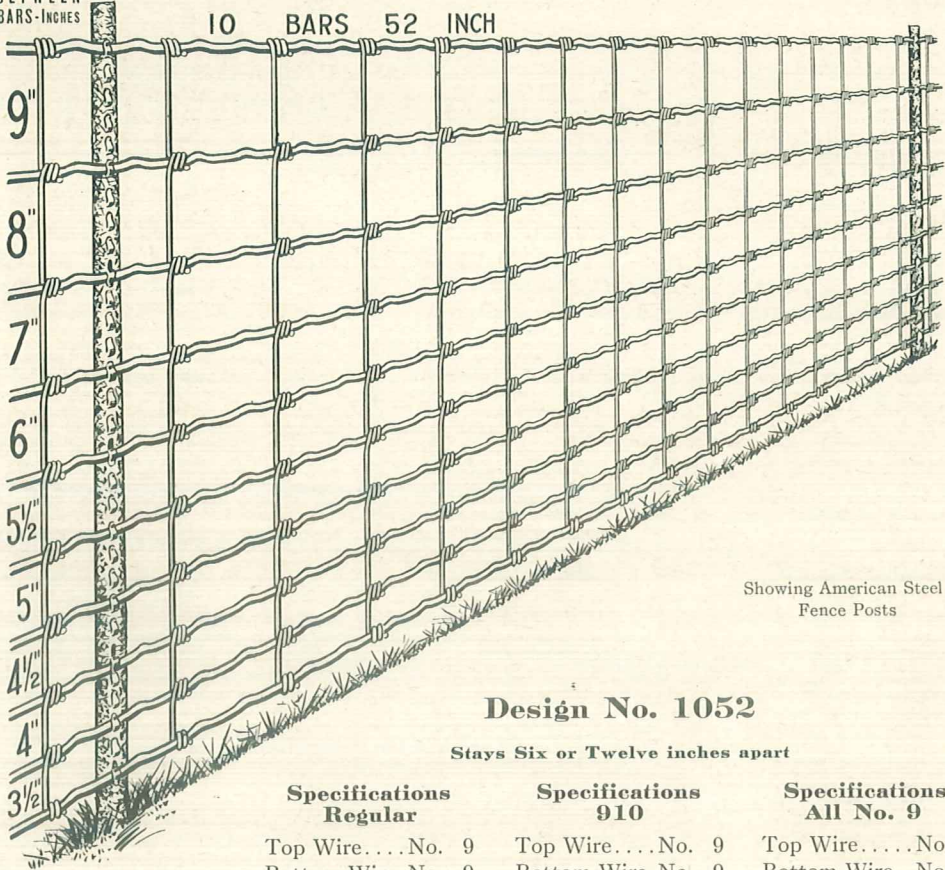
Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
1155	55	12.0	\$0.95	16.4	\$1.25
Style 910					
1155	55	16.0	\$1.35	21.3	\$1.82
All No. 9					
1155	55	18.0	\$1.44	25.3	\$1.99

F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS-INCHES



Showing American Steel
Fence Posts

Design No. 1052

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

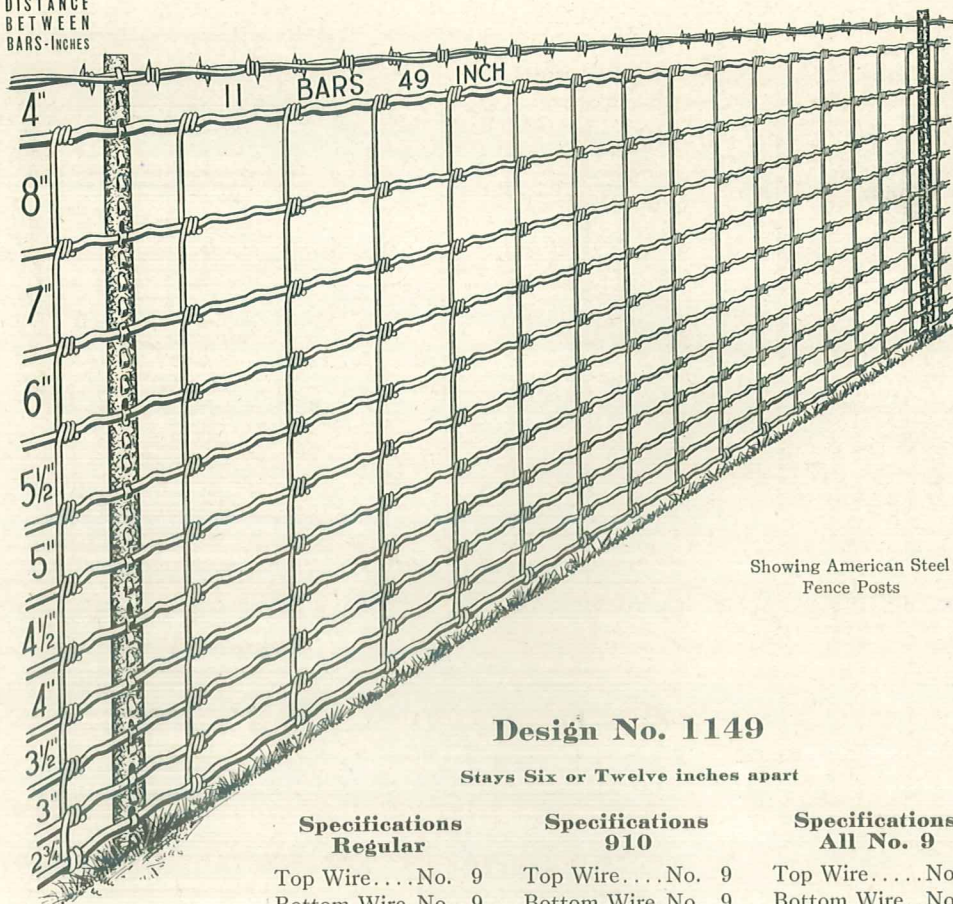
Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
1052	52	11.0	\$0.90	15.2	\$1.18
Style 910					
1052	52	15.2	\$1.25	20.8	\$1.69
All No. 9					
1052	52	16.5	\$1.32	23.3	\$1.84

F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS-INCHES



Showing American Steel
Fence Posts

Design No. 1149

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
1149	49	11.7	\$0.93	15.7	\$1.21

Style 910

1149	49	15.6	\$1.32	20.5	\$1.75
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All No. 9

1149	49	17.5	\$1.40	24.3	\$1.91
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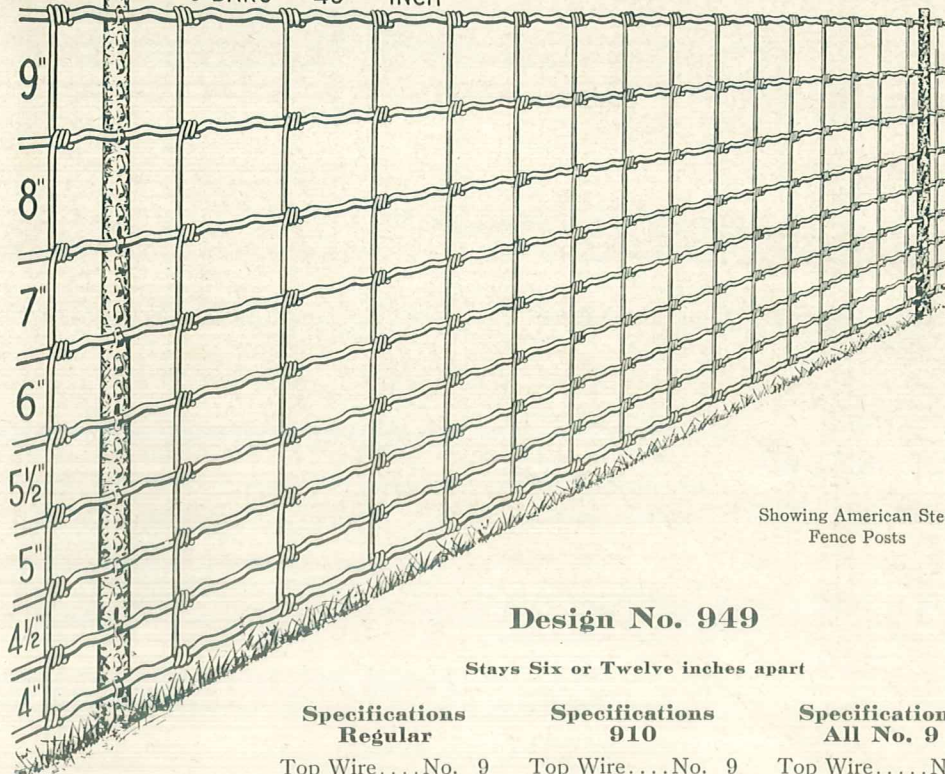
F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS-INCHES

9 BARS 49 INCH



Showing American Steel
Fence Posts

Design No. 949

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
949	49	10.1	\$0.82	13.9	\$1.06

Style 910

949	49	13.3	\$1.13	17.9	\$1.52
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All No. 9

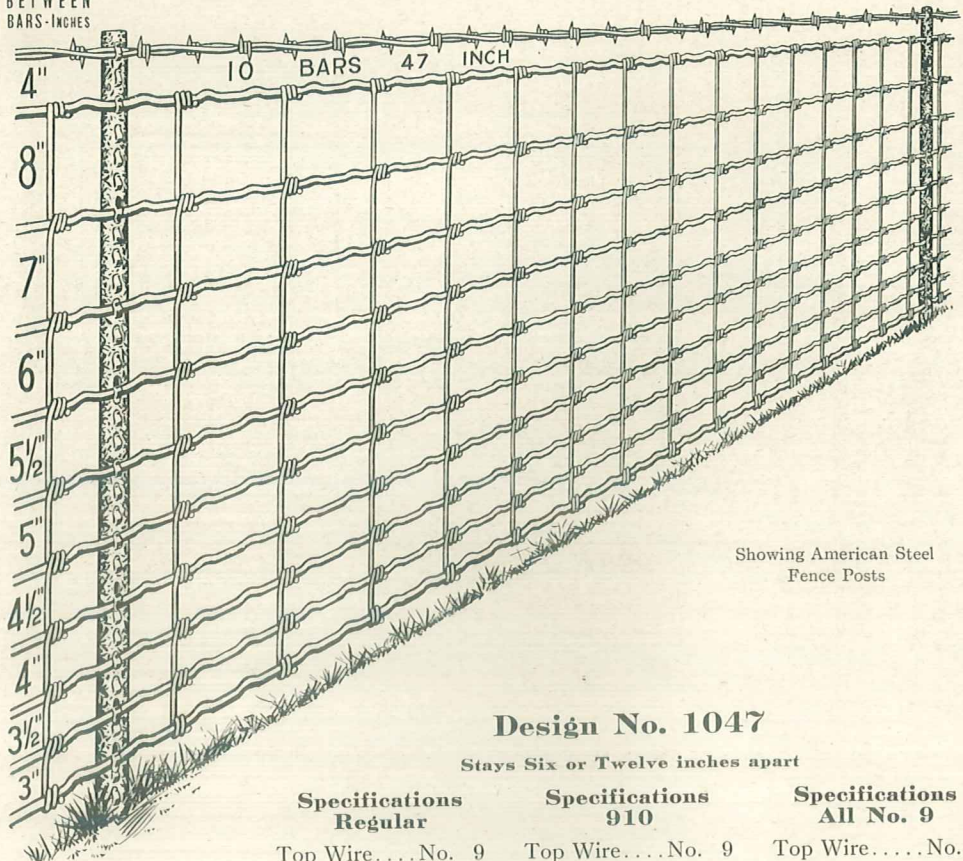
949	49	15.0	\$1.21	21.3	\$1.68
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES



Showing American Steel
Fence Posts

Design No. 1047

Stays Six or Twelve inches apart

Specifications Regular

Top Wire... No. 9
Bottom Wire... No. 9
Inter. Wire... No. 11
Stay Wire... No. 11

Specifications 910

Top Wire... No. 9
Bottom Wire... No. 9
Inter. Wire... No. 9
Stay Wire... No. 10

Specifications All No. 9

Top Wire... No. 9
Bottom Wire... No. 9
Inter. Wire... No. 9
Stay Wire... No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

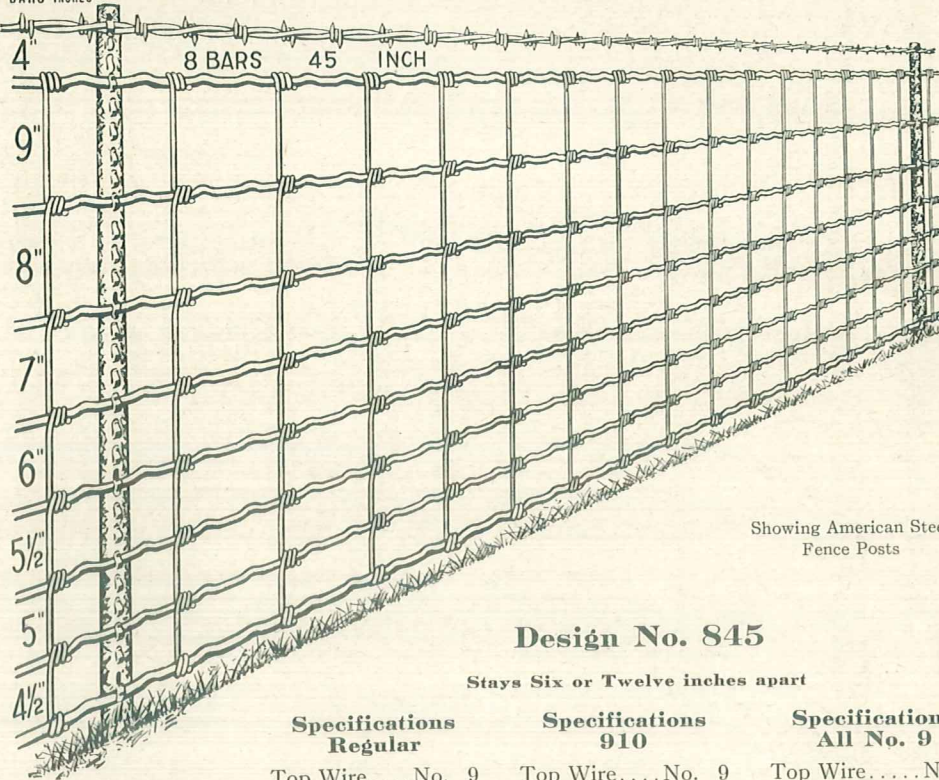
Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
1047	47	10.8	\$0.85	14.6	\$1.12
Style 910					
1047	47	14.3	\$1.21	19.0	\$1.62
All No. 9					
1047	47	16.0	\$1.29	22.3	\$1.77

F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS-INCHES



Showing American Steel
Fence Posts

Design No. 845

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire...No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
845	45	9.1	\$0.74	12.5	\$0.96

Style 910

845	45	11.9	\$1.01	16.1	\$1.38
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All No. 9

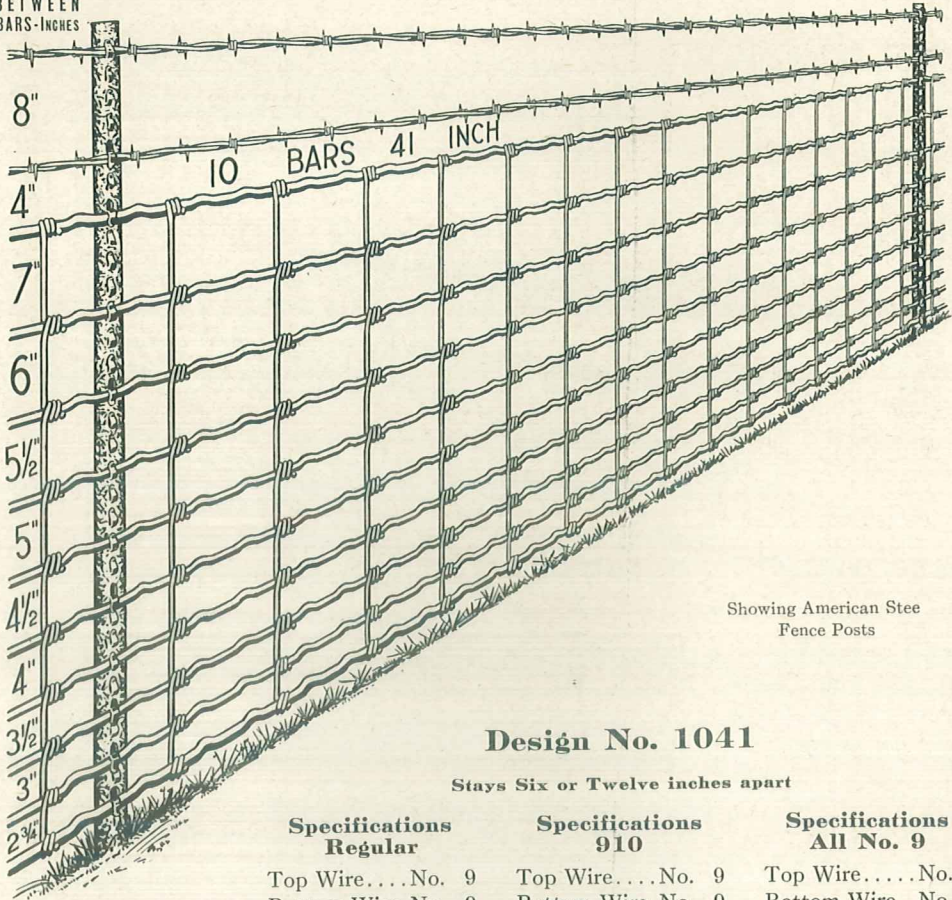
845	45	13.4	\$1.08	19.1	\$1.52
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES



Showing American Steel
Fence Posts

Design No. 1041

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

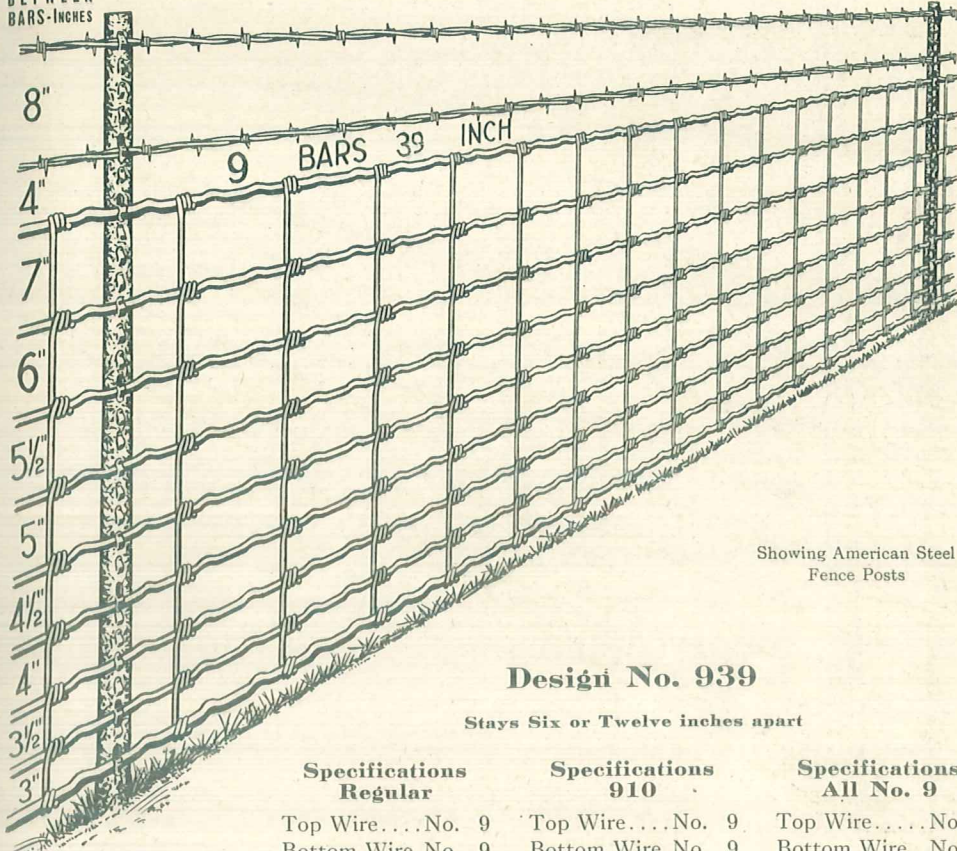
Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
1041	41	10.5	\$0.84	14.0	\$1.07
Style 910					
1041	41	13.9	\$1.18	18.1	\$1.55
All No. 9					
1041	41	15.6	\$1.25	21.5	\$1.69

F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES



Showing American Steel
Fence Posts

Design No. 939

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire...No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire...No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire....No. 9
Bottom Wire...No. 9
Inter. Wire...No. 9
Stay Wire....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
939	39	9.6	\$0.76	12.8	\$0.98

Style 910

939	39	12.6	\$1.07	16.6	\$1.42
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All No. 9

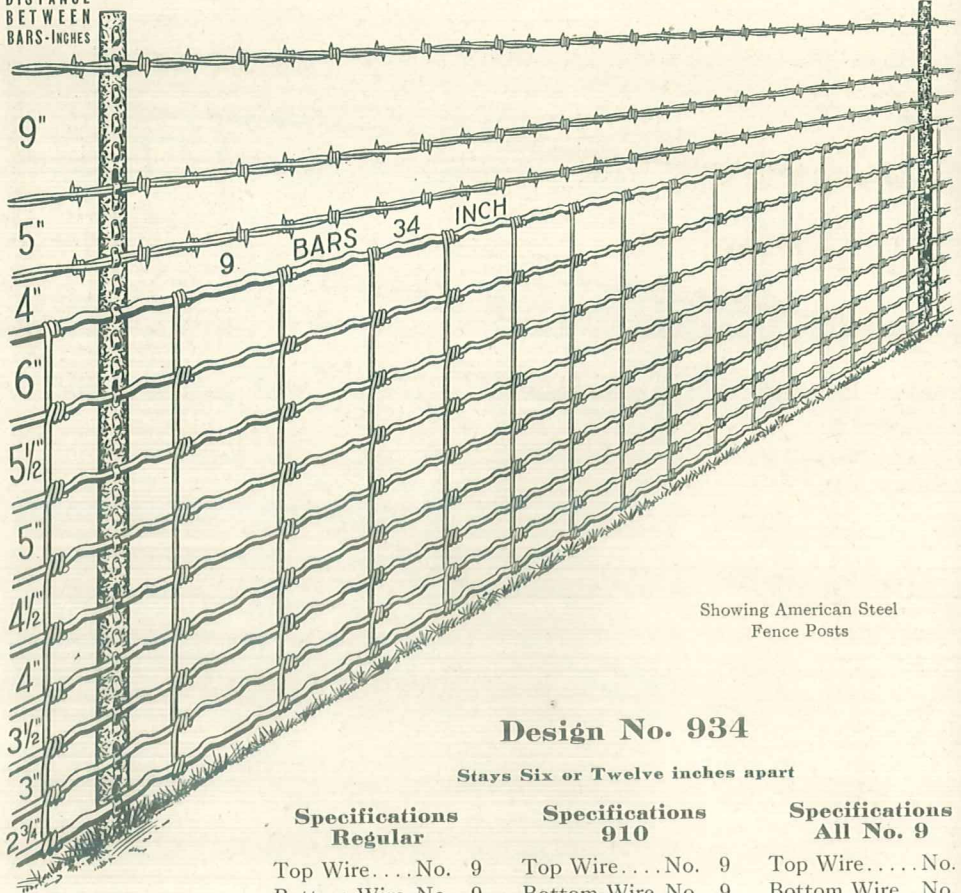
939	39	14.1	\$1.14	19.6	\$1.55
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS-INCHES



Showing American Steel
Fence Posts

Design No. 934

Stays Six or Twelve inches apart

Specifications Regular

Top Wire...No. 9
Bottom Wire...No. 9
Inter. Wire...No. 11
Stay Wire...No. 11

Specifications 910

Top Wire...No. 9
Bottom Wire...No. 9
Inter. Wire...No. 9
Stay Wire...No. 10

Specifications All No. 9

Top Wire....No. 9
Bottom Wire...No. 9
Inter. Wire....No. 9
Stay Wire....No. 9

List Prices

Effective July-1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
934	34	9.3	\$0.75	12.3	\$0.96

Style 910

934	34	12.3	\$1.04	15.9	\$1.37
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All No. 9

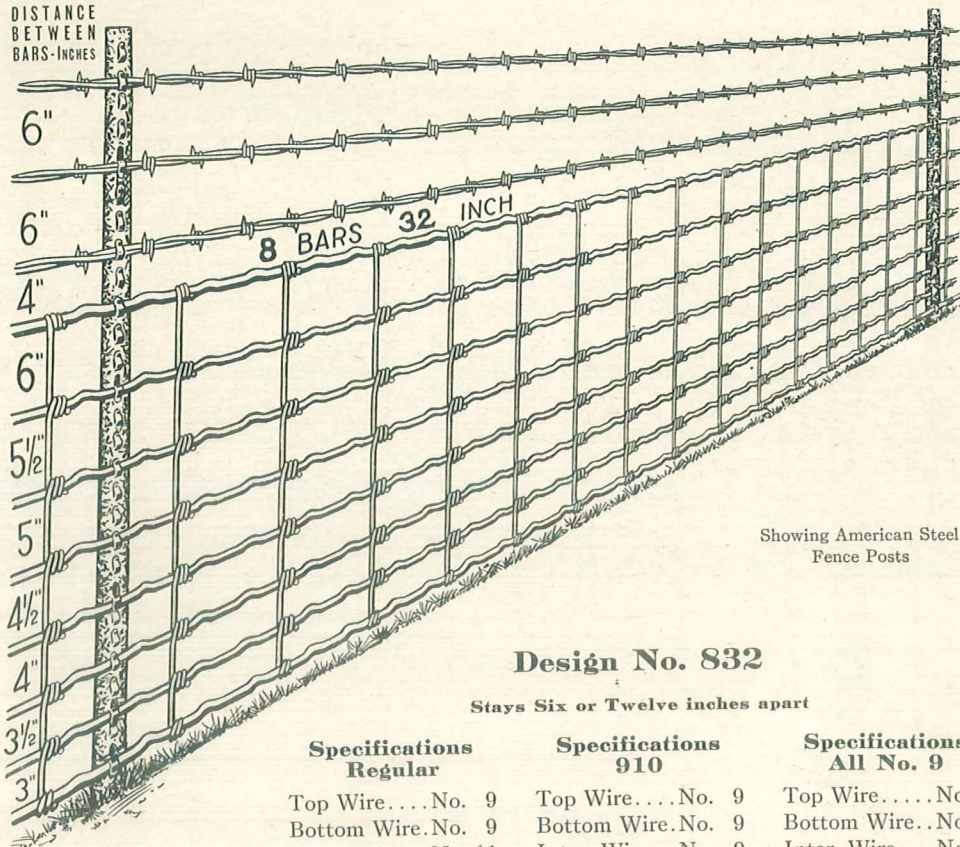
934	34	13.8	\$1.10	18.9	\$1.48
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES



Showing American Steel
Fence Posts

Design No. 832

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire.No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
832	32	8.5	\$0.67	11.2	\$0.87

Style 910

832	32	11.0	\$0.93	14.3	\$1.23
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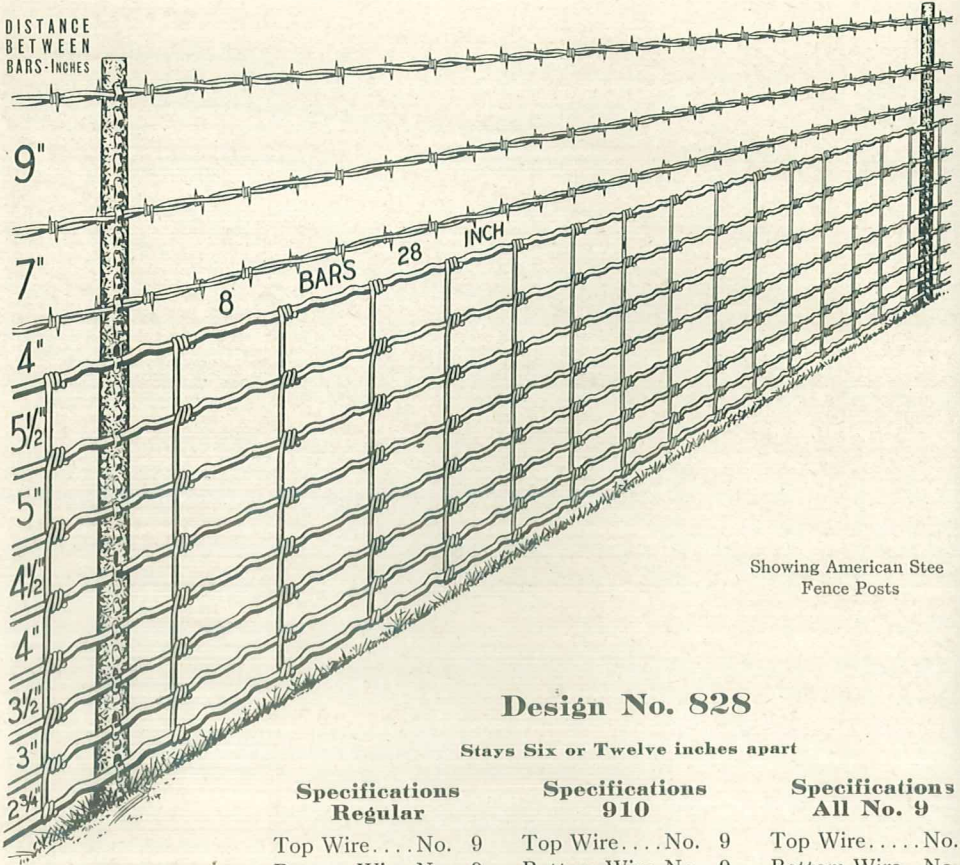
All No. 9

832	32	12.3	\$0.99	17.0	\$1.34
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence



Design No. 828

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire...No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire...No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
828	28	8.2	\$0.66	10.7	\$0.85

Style 910

828	28	10.8	\$0.92	13.8	\$1.19
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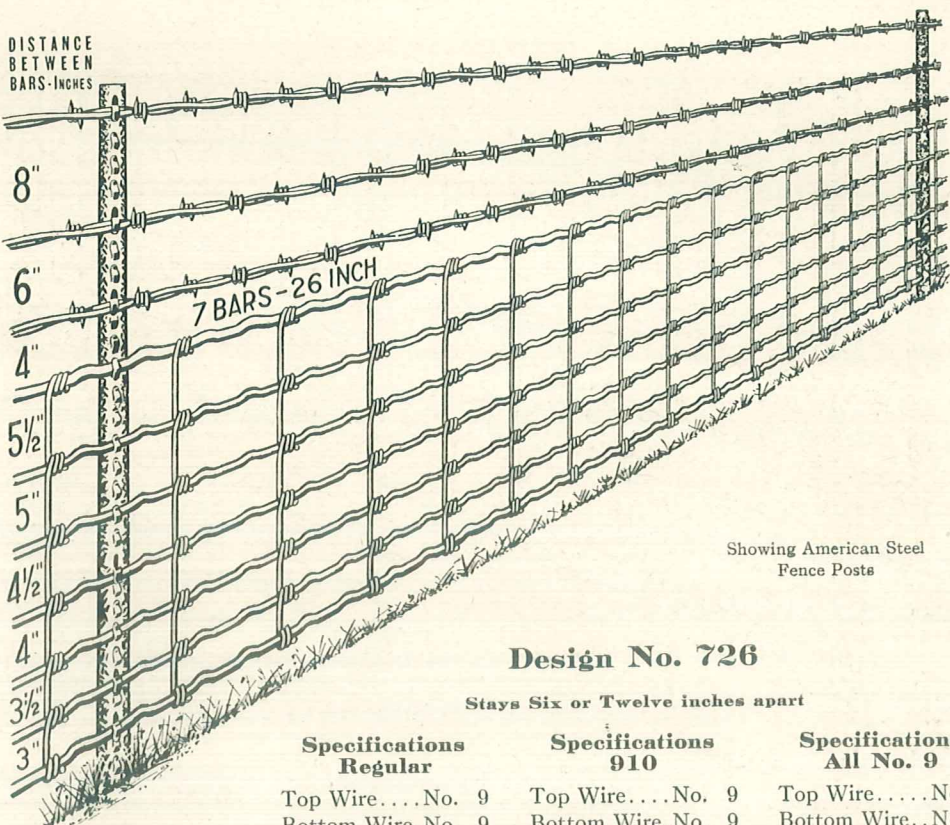
All No. 9

828	28	12.1	\$0.96	16.4	\$1.29
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence



Showing American Steel
Fence Posts

Design No. 726

Stays Six or Twelve inches apart

Specifications Regular	Specifications 910	Specifications All No. 9
Top Wire....No. 9	Top Wire....No. 9	Top Wire.....No. 9
Bottom Wire..No. 9	Bottom Wire..No. 9	Bottom Wire..No. 9
Inter. Wire...No. 11	Inter. Wire...No. 9	Inter. Wire....No. 9
Stay Wire....No. 11	Stay Wire....No. 10	Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
726	26	7.4	\$0.59	9.6	\$0.75

Style 910

726	26	9.5	\$0.81	12.2	\$1.06
-----	----	-----	--------	------	--------

All No. 9

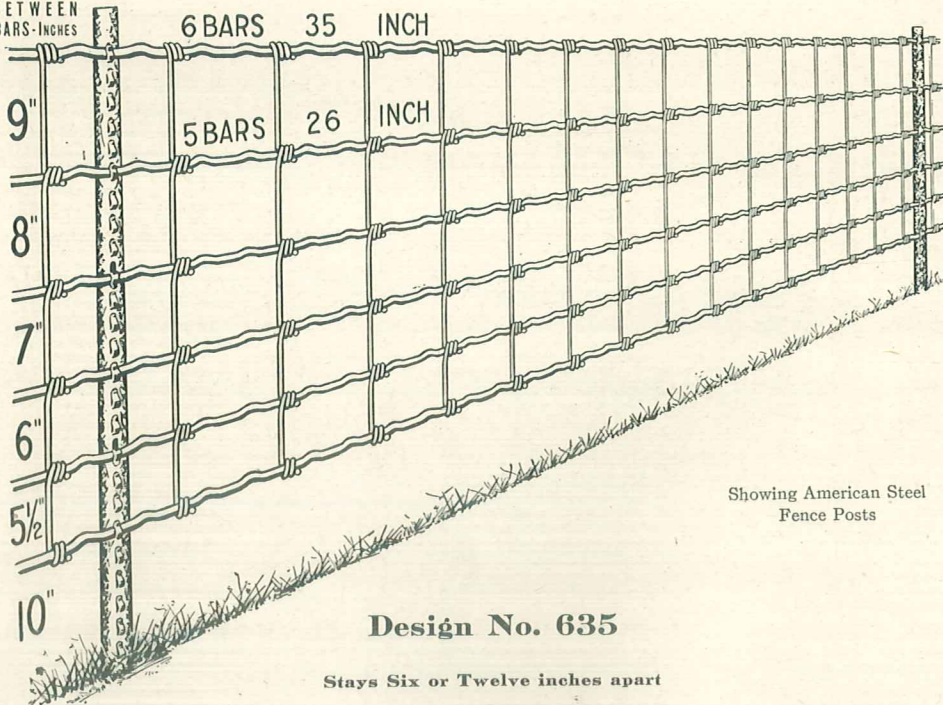
726	26	10.6	\$0.86	14.5	\$1.15
-----	----	------	--------	------	--------

F. O. B. Mills. Discount to Railroads.

For No. 7 top wire add 4 cents per rod to list price.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES



Showing American Steel
Fence Posts

Design No. 635

Stays Six or Twelve inches apart

Specifications Regular

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 11
Stay Wire....No. 11

Specifications 910

Top Wire....No. 9
Bottom Wire..No. 9
Inter. Wire...No. 9
Stay Wire....No. 10

Specifications All No. 9

Top Wire.....No. 9
Bottom Wire..No. 9
Inter. Wire....No. 9
Stay Wire.....No. 9

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 40 Rods Each.

Railroad Regular

Design No.	Height in Inches	12-INCH STAYS		6-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
635	35	7.1	\$0.59	9.7	\$0.77

Style 910

635	35	9.0	\$0.77	12.2	\$1.06
-----	----	-----	--------	------	--------

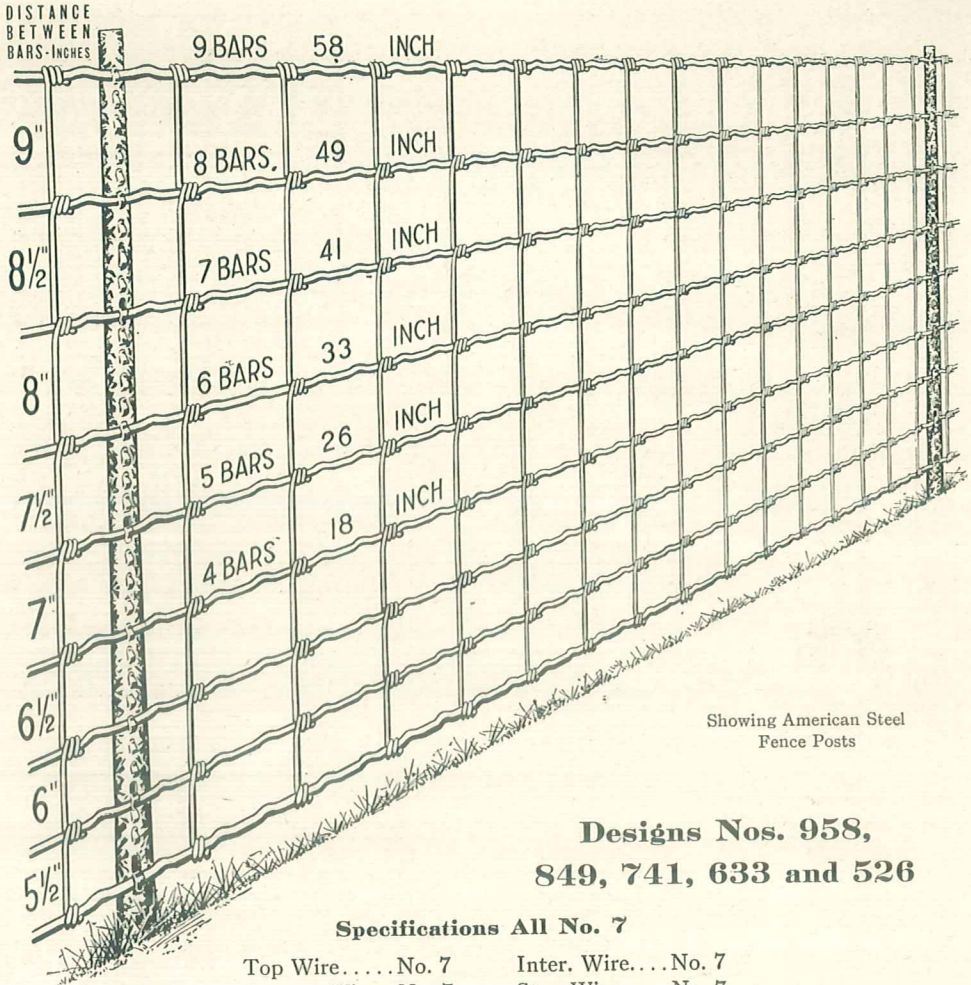
All No. 9

635	35	10.2	\$0.83	14.6	\$1.17
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F. O. B. Mills. Discount to Railroads.

For No. 7 top wire, add 4 cents per rod to list price.

American Railroad Fence



**Designs Nos. 958,
849, 741, 633 and 526**

Specifications All No. 7

Top Wire.....No. 7 Inter. Wire....No. 7
Bottom Wire..No. 7 Stay Wire.....No. 7

The Most Powerful Railroad Fence on the Market

List Prices

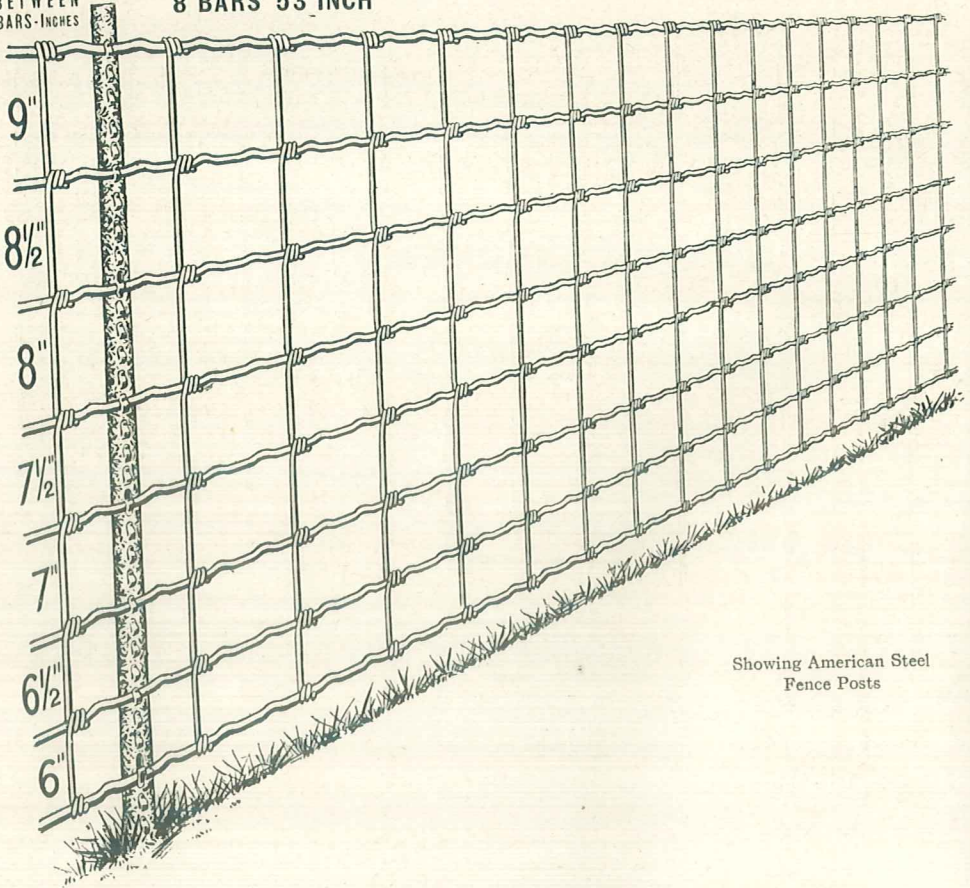
Effective July 1, 1911. Subject to change without notice.
Rolls of 20 or 30 Rods Each.

Design No.	Height in Inches	12-INCH STAYS		24-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
958	58	22.7	\$1.97	17.6	\$1.50
849	49	19.9	1.74	15.5	1.34
741	41	17.1	1.52	13.4	1.17
633	33	14.4	1.30	11.3	1.00
526	26	11.7	1.09	9.3	.85

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES

8 BARS 53 INCH



Showing American Steel
Fence Posts

Design No. 853

Specifications All No. 7

Top Wire... No. 7 Inter. Wire... No. 7
Bottom Wire. No. 7 Stay Wire.... No. 7

The Most Powerful Railroad Fence on the Market

List Prices

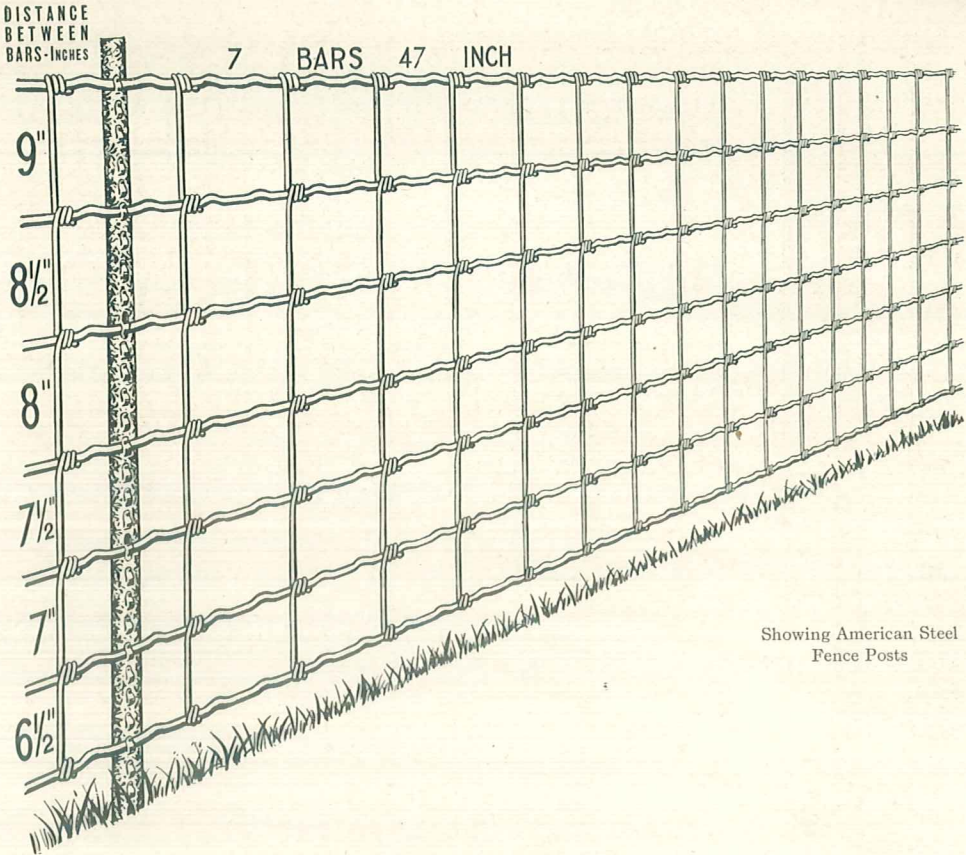
Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 30 Rods Each.

Design No.	Height in Inches	12-INCH STAYS		24-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
853	53	20.3	\$1.78	15.7	\$1.35

F. O. B. Pittsburgh. Discount to Railroads. Made only at our Pittsburgh Mills.

American Railroad Fence



Design No. 747

Specifications All No. 7

Top WireNo. 7 Inter. Wire.No. 7
 Bottom WireNo. 7 Stay Wire.No. 7

The Most Powerful Railroad Fence on the Market

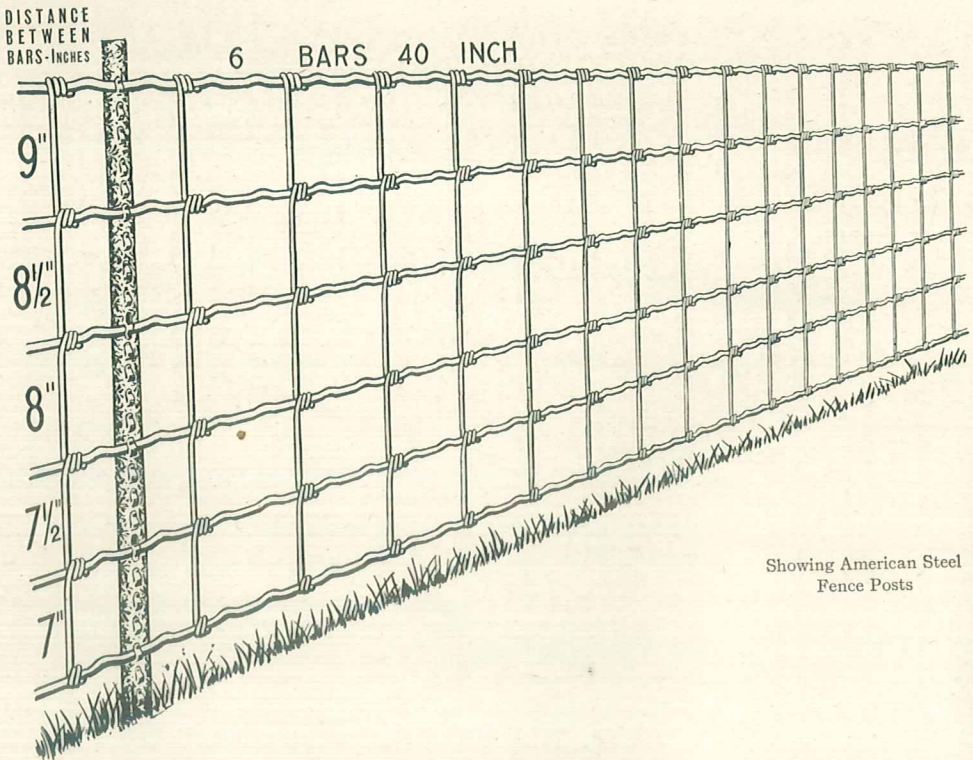
List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 30 Rods Each.

Design No.	Height in Inches	12-INCH STAYS		24-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Price Per Rod	Approximate Weight Per Rod, Lbs.	List Price Per Rod
747	47	17.8	\$1.58	13.7	\$1.20

American Railroad Fence



Design No. 640

Specifications All No. 7

Top WireNo. 7 Inter. Wire.No. 7
 Bottom Wire ...No. 7 Stay Wire.No. 7

The Most Powerful Railroad Fence on the Market

List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 30 Rods Each.

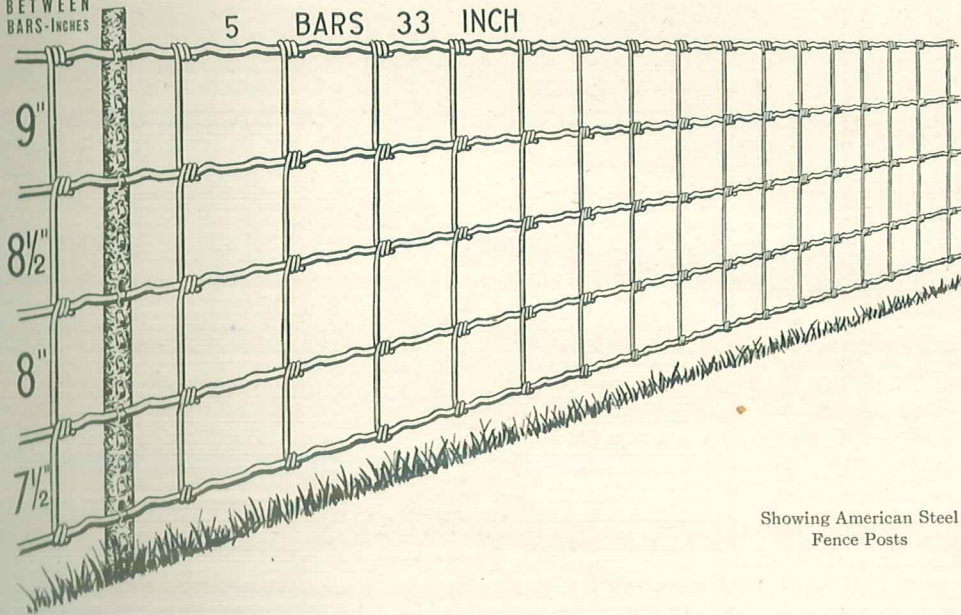
Design No.	Height in Inches	12-INCH STAYS		24-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Price Per Rod	Approximate Weight Per Rod, Lbs.	List Price Per Rod
640	40	15.2	\$1.36	11.7	\$1.04

F. O. B. Pittsburgh. Discount to Railroads. Made only at our Pittsburgh Mills.

American Railroad Fence

DISTANCE
BETWEEN
BARS- INCHES

5 BARS 33 INCH



Showing American Steel
Fence Posts

Design No. 533

Specifications All No. 7

Top Wire.....No. 7
Bottom Wire.....No. 7

Inter. Wire.....No. 7
Stay Wire.....No. 7

The Most Powerful Railroad Fence on the Market

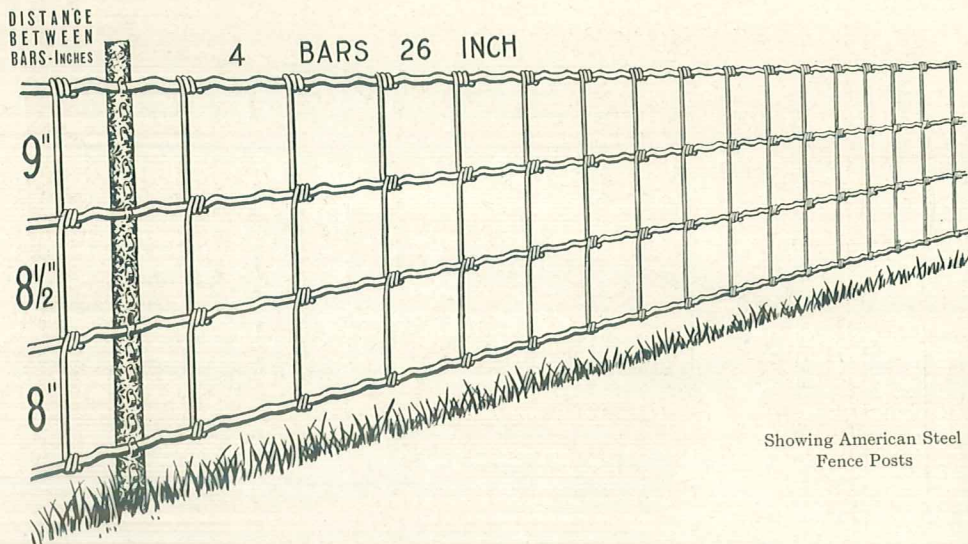
List Prices

Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 30 Rods Each.

Design No.	Height in Inches	12-INCH STAYS		24-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Price Per Rod	Approximate Weight Per Rod, Lbs.	List Price Per Rod
533	33	12.5	\$1.16	9.7	\$0.88

American Railroad Fence



Design No. 426

Specifications All No. 7

Top Wire No. 7
Bottom Wire No. 7

Inter. Wire. No. 7
Stay Wire. No. 7

The Most Powerful Railroad Fence on the Market

List Prices

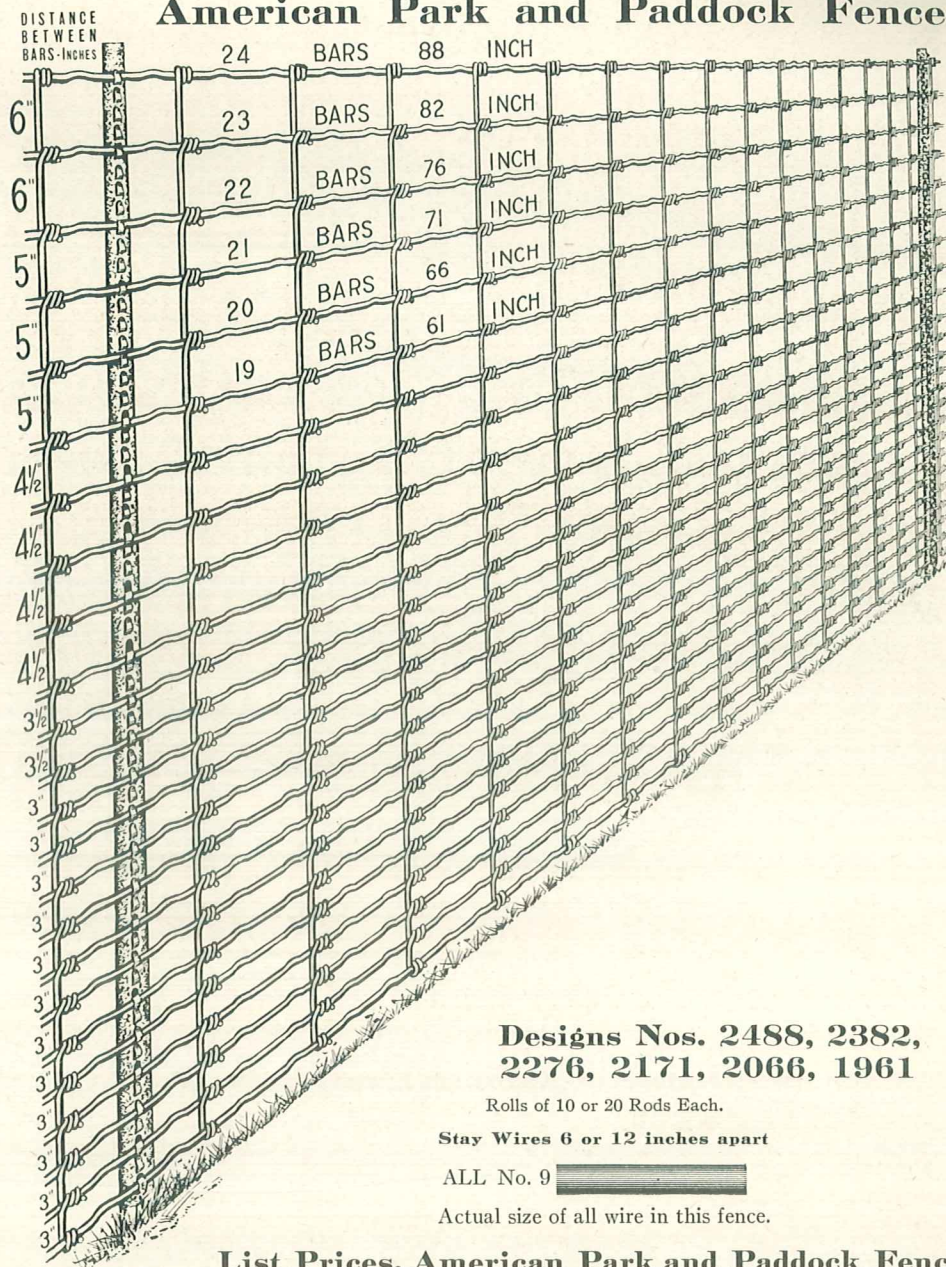
Effective July 1, 1911. Subject to change without notice.

Rolls of 20 or 30 Rods Each.

Design No.	Height in Inches	12-INCH STAYS		24-INCH STAYS	
		Approximate Weight Per Rod, Lbs.	List Price Per Rod	Approximate Weight Per Rod, Lbs.	List Price Per Rod
426	26	9.9	\$0.95	7.7	\$0.72

F. O. B. Pittsburgh. Discount to Railroads. Made only at our Pittsburgh Mills.

American Park and Paddock Fence



**Designs Nos. 2488, 2382,
2276, 2171, 2066, 1961**

Rolls of 10 or 20 Rods Each.

Stay Wires 6 or 12 inches apart

ALL No. 9

Actual size of all wire in this fence.

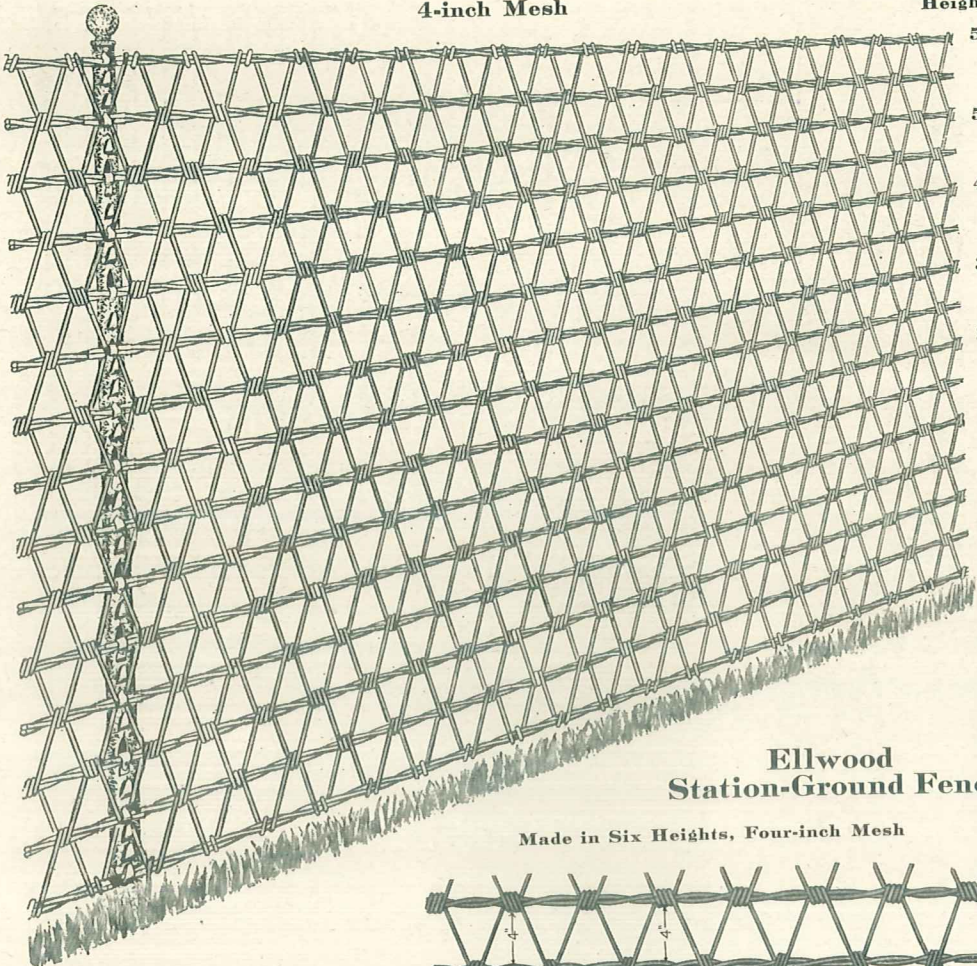
List Prices, American Park and Paddock Fence

Design No.	Height in Inches	No. of Bars	12-INCH STAYS		6-INCH STAYS	
			Weight Per Rod in Pounds	List Prices Per Rod	Weight Per Rod in Pounds	List Prices Per Rod
1961	61	19	28.0	\$2.27	37.5	\$3.06
2066	66	20	29.6	2.40	39.8	3.24
2171	71	21	31.2	2.53	42.1	3.42
2276	76	22	32.8	2.65	44.4	3.61
2382	82	23	34.6	2.80	46.8	3.80
2488	88	24	36.3	2.94	49.3	4.00

Ellwood Station-Ground Fencing

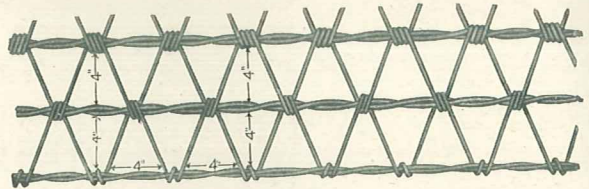
4-inch Mesh

Heights:
58-in.
50-in.
42-in.
34-in.
26-in.
18-in.



**Ellwood
Station-Ground Fence**

Made in Six Heights, Four-inch Mesh



This design of fence is made for station grounds and rights-of-way through towns and cities where fence is bound to receive severe usage.

List Prices, 4-inch Mesh

Effective July 1, 1911. Subject to change without notice.
Rolls of 10 or 20 Rods Each.

SPECIFICATIONS G			SPECIFICATIONS H		
2-Strand No. 12½ Cables, No. 12½ Cross Wires			3-Strand No. 12½ Cables, No. 12½ Cross Wires		
Height in Inches	Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Height in Inches	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
58	26.5	\$2.53	58	32.8	\$3.28
50	22.8	2.20	50	28.3	2.78
42	19.1	1.86	42	23.8	2.35
34	15.5	1.53	34	19.3	1.93
26	11.8	1.15	26	14.8	1.44
18	8.1	.80	18	10.3	1.02

Ellwood Station-Ground Fencing

Extra Heavy 2-inch Mesh—Non-Climbable

Heights:

58-in.

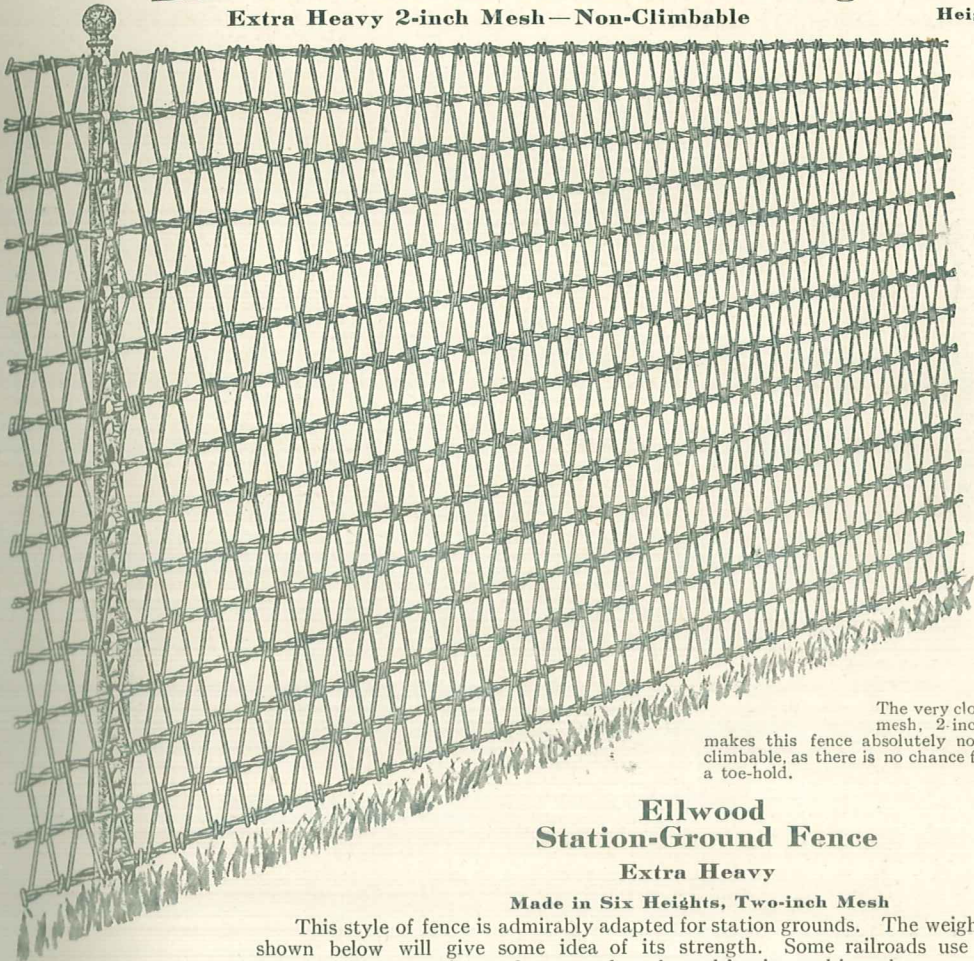
50-in.

42-in.

34-in.

26-in.

18-in.



The very close mesh, 2-inch, makes this fence absolutely non-climbable, as there is no chance for a toe-hold.

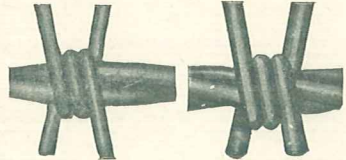
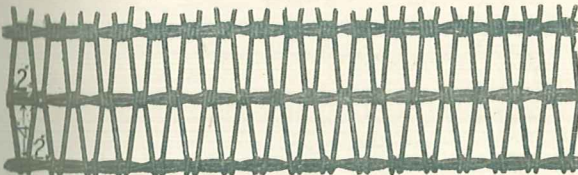
Ellwood Station-Ground Fence

Extra Heavy

Made in Six Heights, Two-inch Mesh

This style of fence is admirably adapted for station grounds. The weights shown below will give some idea of its strength. Some railroads use it in quite a large way for stock pens and stock yard fencing and it makes a much more economical and permanent fence for this purpose than wood.

Rolls of 10 or 20 Rods Each.



Style J

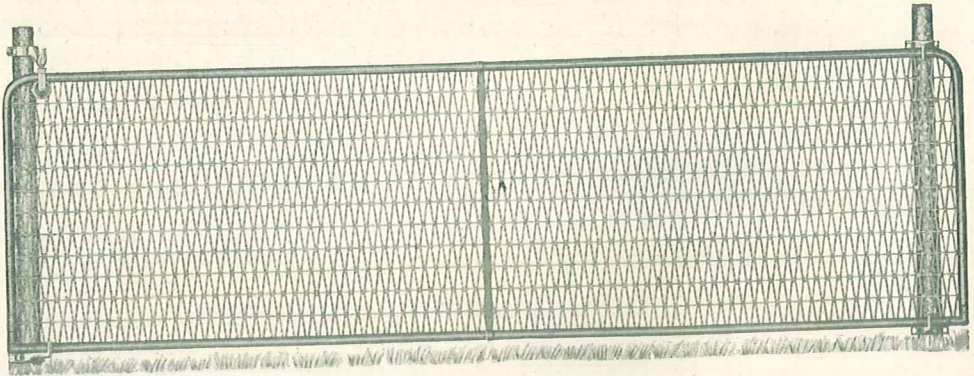
Style K

List Prices, 2-inch Mesh

SPECIFICATIONS J			SPECIFICATIONS K		
2-Strand No. 12½ Cables, No. 12½ Cross Wires			3-Strand No. 12½ Cables, No. 12½ Cross Wires		
Height in Inches	Approximate Weight Per Rod, Lbs.	List Prices Per Rod	Height in Inches	Approximate Weight Per Rod, Lbs.	List Prices Per Rod
58	38.3	\$3.81	58	44.6	\$4.51
50	32.9	3.34	50	38.4	3.93
42	27.6	2.83	42	32.2	3.37
34	22.2	2.34	34	26.0	2.79
26	16.9	1.72	26	19.8	2.05
18	11.5	1.19	18	13.6	1.50

Yankee Railroad Non-Climbable Gate

Tubular Steel Frame



Frame Galvanized or Painted Red

The pipe frame construction means a gate of the greatest strength and rigidity. The bottom corners are made square in order to close the opening between the gate posts. The rollers operate a little to the side of center, making it possible to open and close this gate with ease.

List Prices, Yankee Gate Without Cranes

Effective July 1, 1911. Subject to change without notice.

SIZE	Approximate Weight, Pounds, Tubular Frame	List Prices, Tubular Frame, Including Attachments for Wood Posts	List Prices, Tubular Frame, Including Attachments for Steel Posts
12 ft. x 50 in.	84	\$7.90	\$9.00
12 ft. x 58 in.	97	8.35	9.20
14 ft. x 50 in.	93	8.50	9.35
14 ft. x 58 in.	101	9.10	9.90
16 ft. x 50 in.	102	9.20	10.05
16 ft. x 58 in.	111	9.80	10.60

American Single Drive Non-Climbable Gate

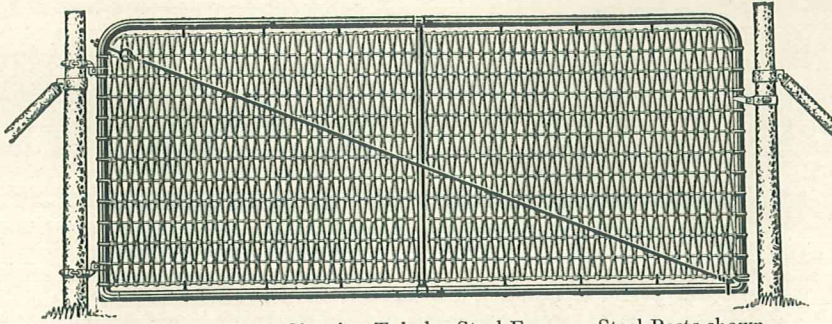


Fig. 1. Plain Top. Showing Tubular Steel Frame. Steel Posts shown

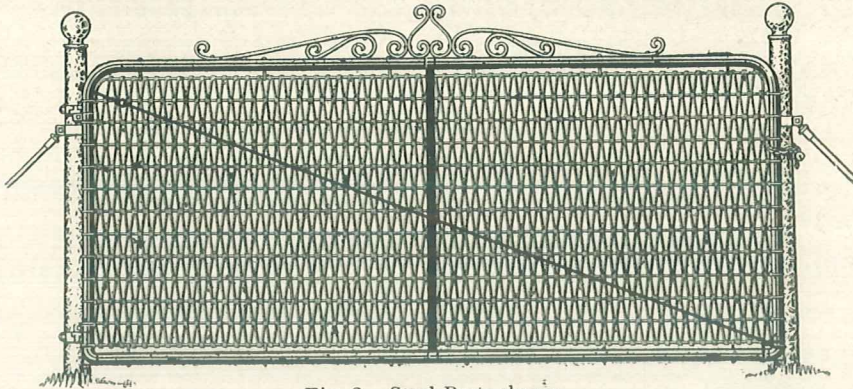


Fig. 2. Steel Posts shown

Frames Galvanized or Painted Red

List Prices, Single Drive Gates

Effective October 30, 1913. Subject to change without notice.

Size	Approximate Weight, Pounds, Tubular Frame	List Prices, Tubular Frame, Including Attachments for Wood Posts		List Prices, Tubular Frame, Including Attachments for Steel Posts	
		Plain Top	Ornamental Top	Plain Top	Ornamental Top
10 ft. x 34 in.	51	\$5.15	\$5.90	\$5.55	\$6.30
10 ft. x 42 in.	56	5.50	6.25	5.90	6.65
10 ft. x 50 in.	61	5.85	6.60	6.25	7.00
10 ft. x 58 in.	67	6.25	7.00	6.65	7.40
12 ft. x 34 in.	60	5.75	6.50	6.15	6.90
12 ft. x 42 in.	65	6.10	6.85	6.55	7.30
12 ft. x 50 in.	71	6.55	7.30	6.95	7.70
12 ft. x 58 in.	77	6.95	7.70	7.60	8.35
14 ft. x 34 in.	67	6.25	7.00	6.65	7.40
14 ft. x 42 in.	73	6.60	7.35	7.00	7.75
14 ft. x 50 in.	80	7.05	7.80	7.50	8.25
14 ft. x 58 in.	87	7.50	8.25	7.95	8.70
16 ft. x 34 in.	74	7.00	7.75	7.40	8.15
16 ft. x 42 in.	80	7.40	8.15	7.80	8.55
16 ft. x 50 in.	88	7.80	8.55	8.20	8.95
16 ft. x 58 in.	96	8.30	9.05	8.70	9.45

F. O. B. Mills. Discount to Railroads.

For method of hanging Single Drive Gate, see page 30.

Instructions for Hanging Single Drive Non-Climbable Gates

Pipe Frame

(Shown on page 29)

These gates may be hung between the posts so as to swing both ways, or they may be hung on the farm side of the posts, as in Figure 2, page 29, to prevent any possibility of swinging upon the right-of-way.

When the gate is hung against the latch post, it may be swung back to the fence line and fastened there — a great convenience, should a continuous opening be desired for any length of time.

If gates are hung in this way on wood posts (Figure 2) a good plan is to place a track spike on the post against which the gate closes and at the bottom of the gate, bending the spike down. This will relieve the end post of the weight of the gate when closed and prevent the gate from sagging.

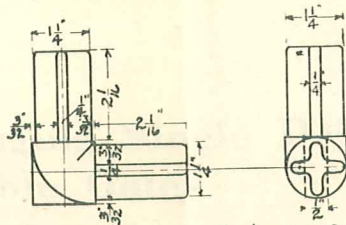
By leaving the bottom hinge hook a little farther out of the post than the top hinge hook, the gate is made self-closing.

When the gate is hung as shown in Figure 2, page 29, the opening is somewhat reduced, but in a general way this is the safest and most satisfactory plan for railroad practice.

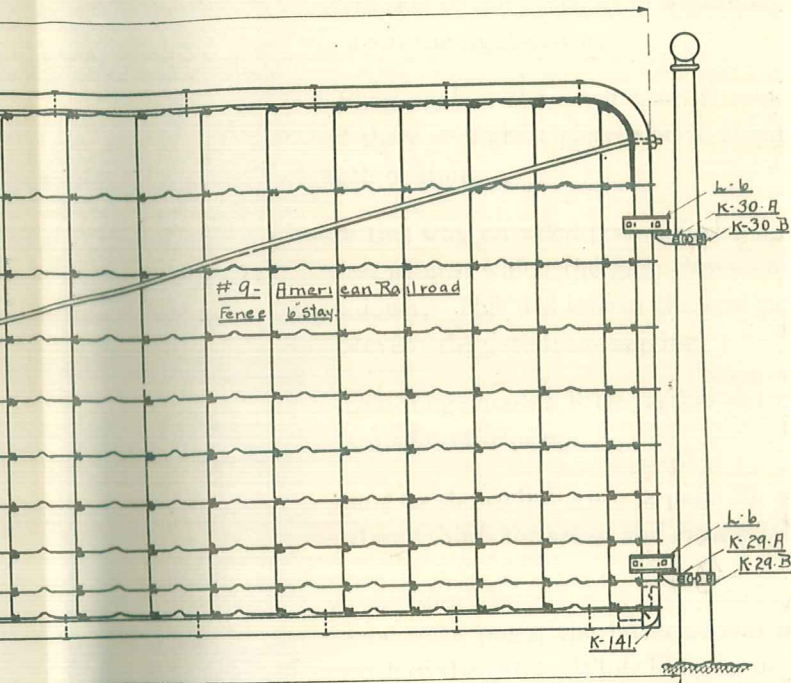
If the gate is hung between posts, the latter should be set six inches farther apart than the listed width of the gate. While hung as shown in Figure 2, page 29, the distance from center to center of the posts should be the same as the listed width of the gate.

All fastenings are shipped with each gate, but no latch is furnished for gates hung as in Figure 2, page 29, since the railroads generally prefer to design their own style of fastening gates hung in this manner. At a small additional cost we can furnish a 34-inch chain with halter snap for gates to be hung as in Figure 2.

for Pig Ear Latch for Steel Post M1
or K-195 M1

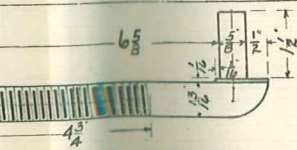


Pat. No K-141 - Corner Casting for 1.50" O.D. Tubing

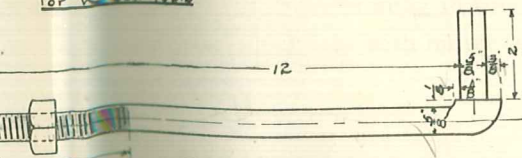


3 Coil chain with
Hook 6 links per foot
Length for Wood post-31'
Steel "24"

View showing gate
swung against latch
Post



- Bottom Hinge Hook M.I.
For Wood Posts



K-199. Top Hinge Hook- Forging
For Wood Posts.

AMERICAN STEEL & WIRE COMPANY
NEW YORK, CHICAGO,
DENVER, SAN FRANCISCO
STANDARD RAILROAD GATE

אמר דלי.

Scale $1\frac{1}{2}$ & 6 = 1" = 0"

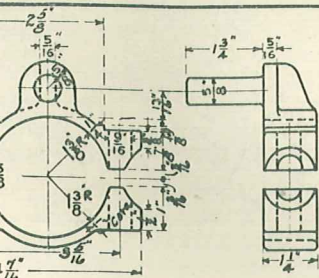
Checked for Safety

Oct. 19. 1914.

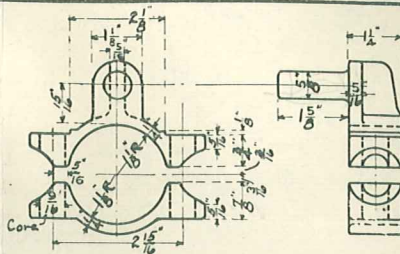
Checked. GEN 10/29/11

Approved

1291.

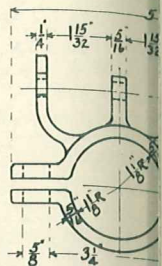


Pat No K-29-A Bottom Hinge for Steel Post M.I.
Pat No K-29-B Cap for K-29-A M.I.

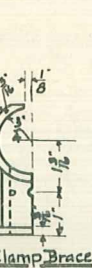
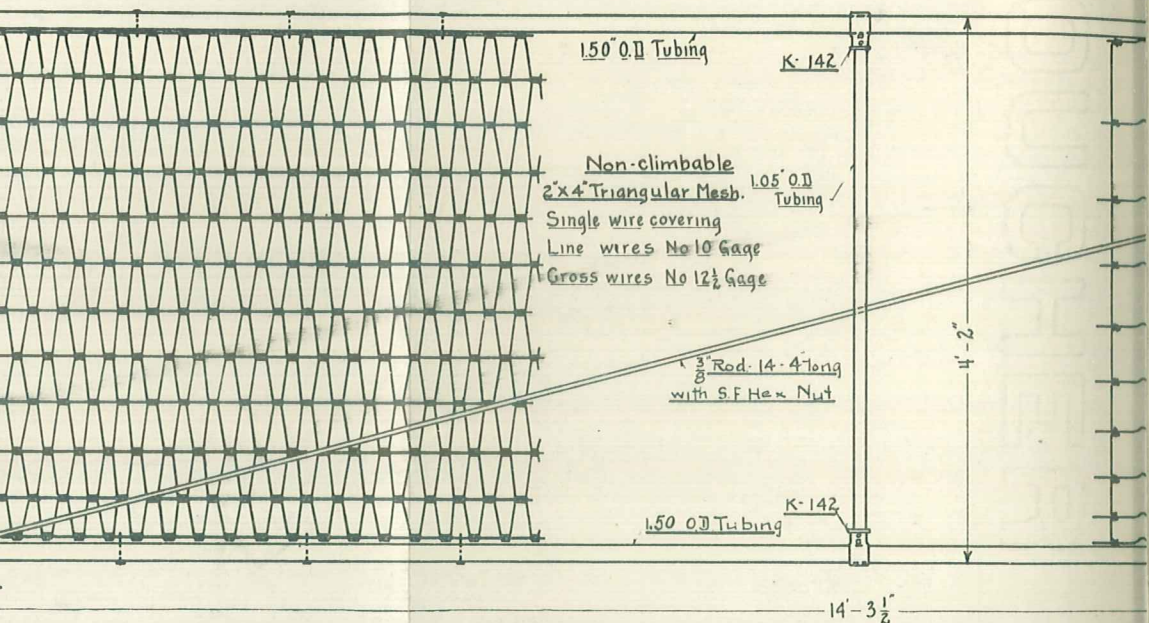


Pat No K-30-A Top Hinge for Steel Post M.I.

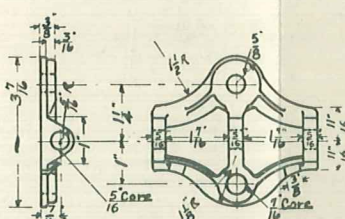
Pat No K-30-B Cap for K-30-A M.I.



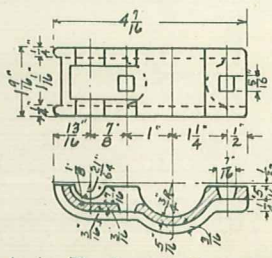
Pat No K-195 Bracket for
Pat No K-196 Cap for



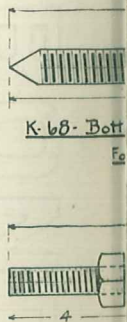
Lamp Brace



Pat No K-104 Bracket for Pig Ear Latch
for Wood post M.I.



L-6 Rankin Works Pattern M.I.
Half hinge for 1.50 O.D. Tubing Gate



K-68 Bottom
Hinge

Standard Railroad Gate

Drawing on opposite page shows an excellent Farm Crossing Gate which we can furnish with fittings for wood, steel, or concrete posts, as the order may specify. This Gate is made of heavy $1\frac{1}{2}$ -inch outside diameter tubing. Strongly braced both vertically and diagonally. Threaded diagonal brace rod, and nut to offset any tendency to sag.

Entire Gate and fittings thoroughly galvanized.

Maximum strength and rigidity, with minimum weight.

Equipped with either pig ear latch or chain fastening.

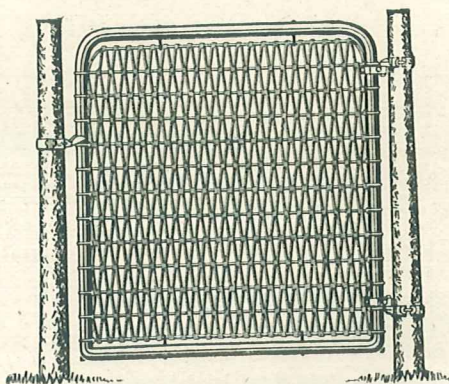
Can be hung to swing both ways or away from the right-of-way only, as desired.

Made in two sizes, as below:

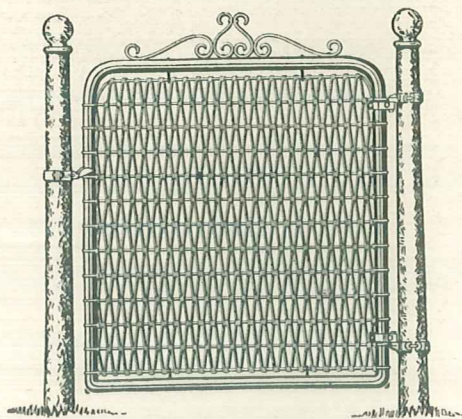
SIZE	Approximate Weight, Pounds	List Prices, Including Attachments for Wood Posts	List Prices, Including Attachments for Steel Posts
14 ft. x 50 in.	90	\$8.50	\$9.10
16 ft. x 50 in.	99	9.20	9.80

14 ft. x 50 in. 1932

Walk Gate



Plain Top



Ornamental Top

Showing Steel Posts and Tubular Steel Frame Gates

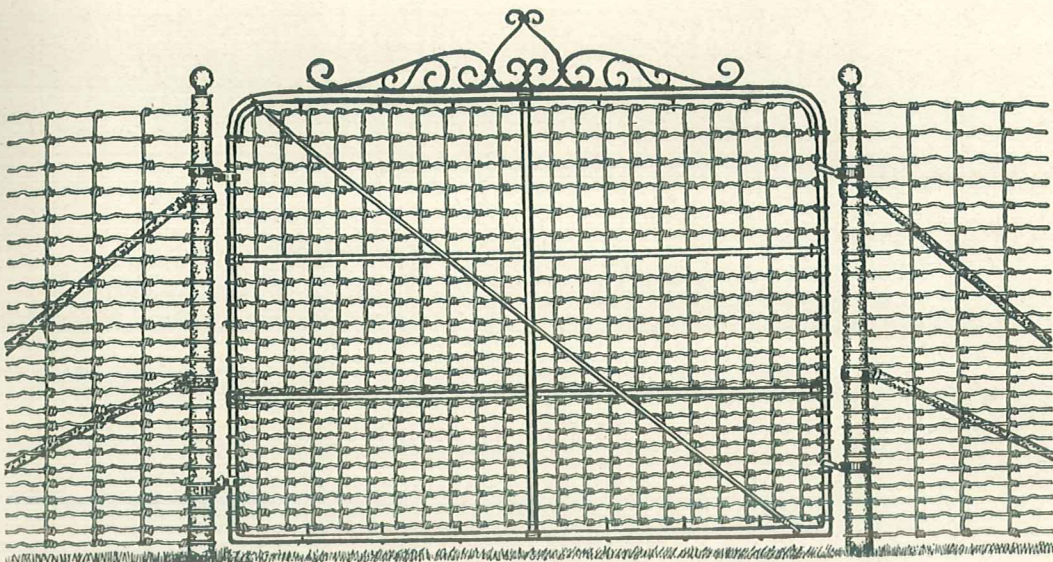
Frames Galvanized or Painted Red

List Prices, Walk Gates

Effective October 30, 1913. Subject to change without notice.

Size	Approximate Weight, Pounds, Tubular Frame	List Prices, Tubular Frame, Including Attachments for Wood Posts		List Prices, Tubular Frame, Including Attachments for Steel Posts	
		Plain Top	Ornamental Top	Plain Top	Ornamental Top
3 ft. x 34 in.	17	\$2.25	\$2.75	\$2.80	\$3.30
3 ft. x 42 in.	19	2.40	2.90	2.95	3.45
3 ft. x 50 in.	21	2.60	3.10	3.10	3.60
3 ft. x 58 in.	23	2.80	3.30	3.30	3.80
4 ft. x 34 in.	20	2.40	2.90	2.95	3.45
4 ft. x 42 in.	22	2.60	3.10	3.15	3.65
4 ft. x 50 in.	24	2.85	3.35	3.35	3.85
4 ft. x 58 in.	27	3.00	3.50	3.55	4.05
5 ft. x 34 in.	31	3.60	4.10	4.00	4.50
5 ft. x 42 in.	33	3.80	4.30	4.25	4.75
5 ft. x 50 in.	37	4.05	4.55	4.50	5.00
5 ft. x 58 in.	40	4.30	4.80	4.70	5.20

American Park and Paddock Gate



For use in connection with American Park and Paddock Fence, we make an especially heavy gate of great strength.

The frame is made of extra large steel pipe and we invite attention to the double brace running lengthwise on the gate.

These gates are made in heights to correspond with various paddock fences illustrated herein. The gates are furnished complete with hinges and latch. Posts should be set 4 inches farther apart than measurement of gate indicates.

Frames Galvanized or Painted Red

List Prices

Effective Nov. 26, 1913. Subject to change without notice.

Single Drive, Only Made with Tubular Frame and Ornamental Top

Size	Approximate Weight, Pounds,	List Prices, Tubular Steel Frame Only, Including Attachments for Wood Posts	List Prices, Tubular Steel Frame Only, Including Attachments for Steel Posts
65 in. x 10 ft.	114	\$12.05	\$12.55
65 in. x 12 ft.	131	13.10	13.60
65 in. x 14 ft.	147	14.15	14.65
71 in. x 10 ft.	117	12.20	12.70
71 in. x 12 ft.	134	13.30	13.80
71 in. x 14 ft.	151	14.40	14.90
75 in. x 10 ft.	120	12.40	12.90
75 in. x 12 ft.	137	13.50	14.00
75 in. x 14 ft.	154	14.60	15.10
80 in. x 10 ft.	123	12.60	13.10
80 in. x 12 ft.	140	13.75	14.25
80 in. x 14 ft.	158	14.85	15.35
86 in. x 10 ft.	127	12.85	13.35
86 in. x 12 ft.	144	13.95	14.45
86 in. x 14 ft.	162	15.10	15.60
92 in. x 10 ft.	130	13.05	13.55
92 in. x 12 ft.	148	14.20	14.70
92 in. x 14 ft.	165	15.35	15.85

Standard Railroad Gate

Drawing on opposite page shows an excellent Farm Crossing Gate which we can furnish with fittings for wood, steel, or concrete posts, as the order may specify. This Gate is made of heavy 1½-inch outside diameter tubing. Strongly braced both vertically and diagonally. Threaded diagonal brace rod, and nut to offset any tendency to sag.

Entire Gate and fittings thoroughly galvanized.

Maximum strength and rigidity, with minimum weight.

Equipped with either pig ear latch or chain fastening.

Can be hung to swing both ways or away from the right-of-way only, as desired.

Made in two sizes, as below:

SIZE	Approximate Weight, Pounds	List Prices, Including Attachments for Wood Posts	List Prices, Including Attachments for Steel Posts
14 ft. x 50 in.	90	\$8.50	\$9.10
16 ft. x 50 in.	99	9.20	9.80

14 ft. x 50 in. 1912

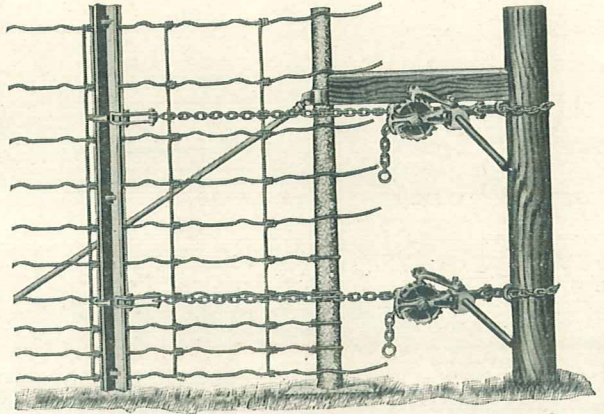
American Double Jack Stretcher

We consider it to be the best, quickest and most convenient stretcher yet produced. The clamp bar is of steel, and goes together without bolts or other loose parts.

There are two stretcher heads, for top and bottom pulling. These attach, by means of a wedge-shaped yoke, direct to the clamp bar. As the stretching proceeds, the wedges press the clamp bars more tightly together. The lever handles are so adjusted that one man can easily stretch the fence to the necessary tension. It is in every sense a one man stretcher.

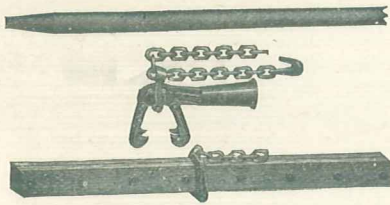
The particular features of this stretcher are: No bolts or nuts to remove or lose. No parts to become detached. Top and bottom pull. Operated by one man. Safety of operation.

Furnished only with one Clamp Bar, two Jacks or Stretching Heads, and two Chains. Weight 105 pounds.



List Price \$12.00

The Lott Stretcher



This stretcher is operated by a long lever and can be used singly, pulling from center of clamp, or in pairs pulling from top and bottom. All stretching chains are 8 feet in length. We do not furnish levers.

List Price Effective Jan. 12, 1909. Subject to change without notice.

Lott Stretcher, 8 foot chain, each..... \$7.00
Shipping weight, 85 lbs.

A. S. & W. Single Wire Stretcher



(Patented)

A satisfactory finishing stretcher. In connection with a Fence Stretcher makes a complete outfit. All metal. Does not injure the wire.

List Prices Effective Jan. 12, 1909. Subject to change without notice.

A. S. & W. Single Wire Stretcher, per doz.... \$12.00
A. S. & W. Single Wire Stretcher, each..... 1.00

American Fence Tool

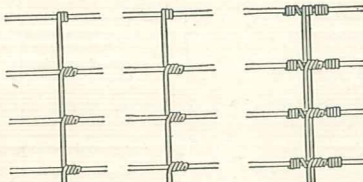


A staple puller, hammer, cutter, plier, etc. Shipping weight, per doz., 32 lbs.

Shipping weight, per half doz., 17 lbs.

List Prices Effective Jan. 12, 1909. Subject to change without notice.

American Fence Tool, per dozen..... \$12.00
American Fence Tool, per half dozen..... 6.00



Before Splicing

After Splicing

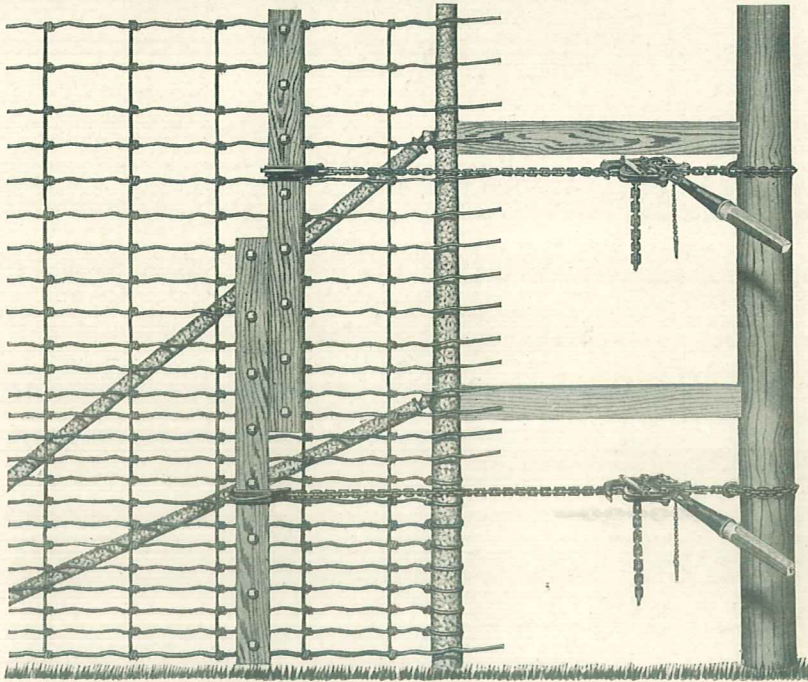
The American Splicer

Necessary and convenient for splicing wire in woven wire fence or elsewhere. Inexpensive and does the work well. Shipping weight, per dozen, 3 lbs.

American Splicer, list price per dozen..... \$0.75

All Articles on this page F. O. B. Mills. Discount to trade.

Park and Paddock Stretcher



To stretch Park and Paddock Fence, we supply a special stretcher with a clamp bar, long enough to handle any width up to 88 inches, and with this we furnish two stretcher heads, so that the fence may be stretched at the top and bottom at the same time.

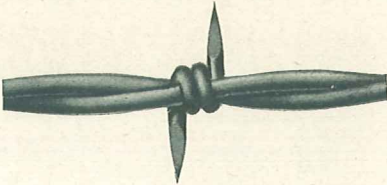
List Price

Effective July 1, 1911. Subject to change without notice.

Park and Paddock Fence Stretcher, per set\$16.00

F. O. B. Mills. Discount to Railroads.

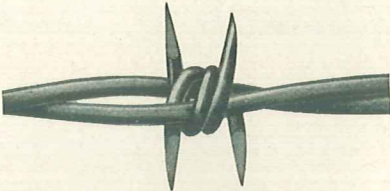
American Barbed Wire
American Glidden



Two Point

Round Barbs. Regular or Cattle. Thickset or Hog. Galvanized or Painted.

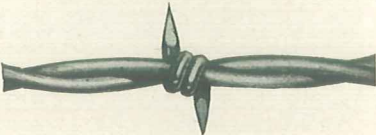
Lyman



Four Point

Round Barbs. Regular or Cattle. Thickset or Hog. Galvanized or Painted.

Ellwood Glidden



Two Point

Round Barbs. Regular or Cattle. Thickset or Hog. Galvanized or Painted.



Cable or Twisted Barbless Wire, Galvanized, Painted, or Annealed

BASIS: Base sizes, same price as American Glidden barbed wire. Annealed, same price as painted.

Regularly made in following sizes:

	Base
2-ply, Numbers 11, 12 and 12½.....	Advances over Base
	\$0.15
2-ply, Numbers 8, 9 and 10	.30
2-ply, Numbers 13 and 14.....	.40
3 and 4-ply, Numbers 8, 9 and 10.....	.25
3 and 4-ply, Numbers 11, 12 and 12½.....	.55
3 and 4-ply, Numbers 13 and 14	

Advances on Plain Fence Wire

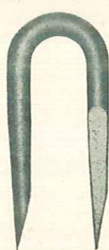
Subject to change without notice.

SIZES		ADVANCES PER 100 POUNDS	
Steel Wire Gage (Formerly American Steel & Wire Company's Gage.)		For Annealed Wire	For Galvanized Wire Add to Price of Annealed
Numbers	9 and coarser	Base	\$0.60 \$0.70
10		\$0.05	.60 .70
11		.10	.60 .70
12 and 12½		.15	.60 .70
13		.25	.60 .70
14		.35	.60 .70
15		.45	.90 1.05
16		.55	.90 1.05
17		.70	1.30 1.45
18		.85	1.30 1.45

Even-weight bundles, 75 pounds and upwards, 5 cents per bundle extra, except 100-pound bundles, which are considered standard and take no extra charge.

Fence Staples

Bright or Galvanized, all made of No. 9 Wire, in kegs containing 100 pounds



1 ¼ Inch



1 ½ Inch

Length	Approximate Number to Pound
7/8	120
1	108
1 1/8	96
1 1/4	87
1 1/2	72
1 3/4	65
2	58

Galvanized American Steel Fence Posts

Great improvements have been made by us during the last few years in the quality of our Woven Wire Railroad Fence, and we have also recognized the importance of providing such a durable post that really permanent work can be done in railroad fence construction.

In order to develop the full value and lasting qualities of our right-of-way fencing, we recommend to all railroads the general use of our Galvanized Steel Fence Posts. These posts have been in actual service in all parts of the country, and in all kinds of soil for 12 to 17 years, and without exception, the posts are in as good condition to-day, as when they were first put in the ground. They remain perfectly free from rust, in fact, they show no signs of deterioration whatever.

Our steel post is strong enough to hold the heaviest wire fence made.

It is light in weight — over 4,000 can be shipped in one car.

It would require 4 or 5 cars to hold as many wood or concrete posts.

Cost of transportation is very small.

No staples or ties of any kind required.

No heaving by frost.

Line Post can be driven in ordinary soil, or a hole can be bored for it of the line post's own diameter by a special auger which we furnish. If rock is encountered the size of hole to be drilled is much less than for wood posts, in fact drilling for an American post is very little more work than drilling for a blast.

Our steel post does not break, burn, rust, or decay.

It is not damaged by moisture, heat, or cold.

No culls—every post perfect.

The fence line can be burned at frequent intervals to destroy weeds and other vegetation, and loss from accidental fires is eliminated.

Farmers throughout the country purchased over 10,000,000 of our steel posts in the last 12 months, showing that property owners on a large scale are quite satisfied as to their utility and lasting qualities.

Galvanizing

American Steel Fence Posts are heavily galvanized inside and outside.

The Line Post

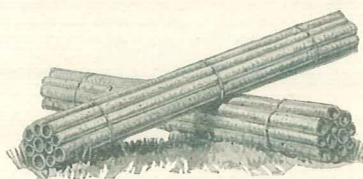
The American Line Post is in form a tapering tube, the larger end set in the ground. The object of this form is to secure the greatest possible strength to a given number of pounds of steel, the greatest strength being required at the base of the post and decreasing towards the top.

Line Posts are made in lengths of 5, $6\frac{1}{2}$, 7, $7\frac{1}{2}$, 8, 9, 10 and 11 feet. They are made in two weights, No. 16 and No. 13 gage metal. Line Posts are shipped in bundles of ten posts each, as shown in cut.

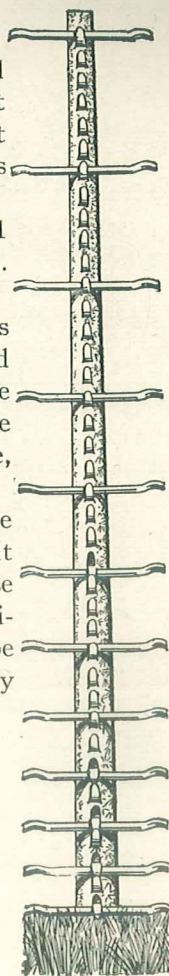
For general use where fence is to be not more than 48 to 50 inches in height, the $6\frac{1}{2}$ -foot Line Post has proven ample for good and satisfactory service. If higher fences are to be used, the length of the Line Posts should be proportionately increased. The No. 13 Line Post is heavier and of course stiffer than the No. 16, and is, we believe, preferable for railroad work.

Line Posts can be driven under ordinary conditions by using the American Driving Cap or a stick of wood on top of the post. But if the ground is hard, stony, or full of roots, it is always advisable to use the American Auger and make a hole for the Line Post. The American Auger makes a 2-inch hole, is easy and quick. The posts can be set in holes by the use of this auger just about as quickly and easily as by driving.

All line posts are heavily coated with zinc inside and outside.



Bundles of Line Posts Ready for Shipment



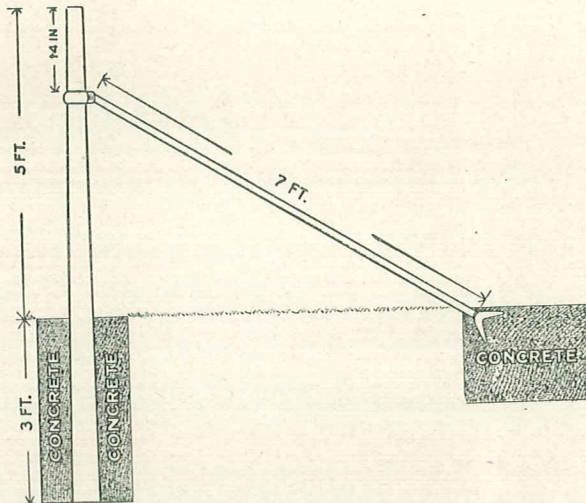
The Tongues or Fastenings

The tongues on the American Line Posts take the place of the ordinary staple. There is more metal in the tongue on the American Post than in a No. 9 Fence Staple.

Ordinarily the wires of the fence are placed inside the tongue and the point of the tongue turned inward toward the center of the post. It is sometimes desirable to turn the tongues downward over the bar of the fence and this can be successfully done if care is used in bending the tongue. If the tongue is bent abruptly downward or pounded down with a hammer, a tongue may be broken, but this is invariably the result of bad practice. If a tongue for any reason should break off, there are plenty left to securely fasten the fence, or a short piece of wire placed around the post will answer every purpose.

The posts are made of the best steel sheets and by taking a small piece of steel sheet and bending it back and forth you will get a good idea as to what may be expected of the tongues on the American Post.

8-foot End or Gate Post

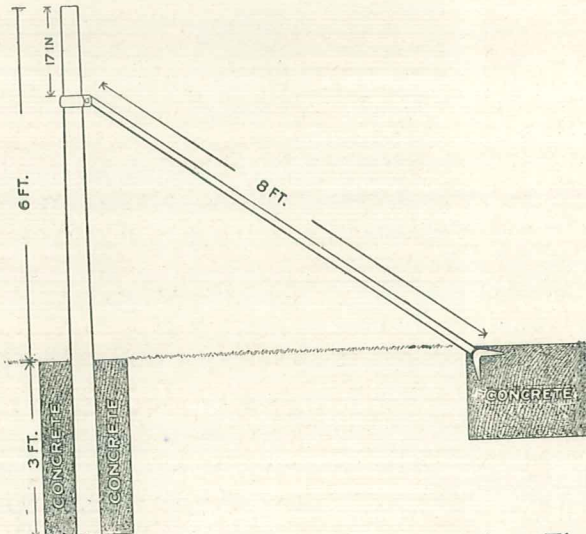


In the above is shown the proper setting of an 8-foot End or Corner Post as to the depth in the ground, height above ground, distance of brace collar from top of post, etc., where the fence used is not less than 58 inches high.

If a lower fence is to be used the End and Corner Posts should be set deeper in the ground so that the top of the post will not be more than two inches above the top line of the completed fence, whether the top line be woven fence or a barbed wire.

9-foot End or Gate Post

Below is shown the proper setting of a 9-foot End or Corner Post as to depth in the ground, height above ground, distance of brace collar from top of the post, etc.,



where the fence used is not more than 70 inches in height. The End and Corner Posts should be set in the ground so that top of the post will not be more than two inches above the top line of the completed fence, whether the top line be woven fence or a barbed wire.

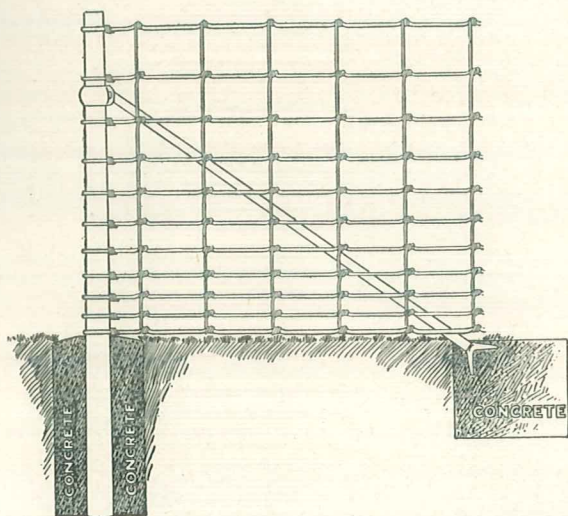
Corner, and End Posts

Corner and End Posts are the foundations of the fence, and it is essential to have these posts set in such a manner that they will be absolutely immovable. The only portions of a wire fence that should be rigid are the ends of the stretching lines; that means all corner and end posts. In the woven wire fence and line posts a certain degree of flexibility is highly desirable, but the ends must be solid and rigid enough permanently to hold the wires tight and in their proper position. This is true of any end post, no matter what style of post is used.

The best results are obtained when the Corner and End Posts are set in concrete. For these posts a hole about 18 x 18 inches and 3 feet deep has been found ample in most cases. For a Corner Post it is well to have the hole 20 x 20 inches and 3 feet deep.

Gate Posts

All American End and Corner Posts are suitable for carrying gates.

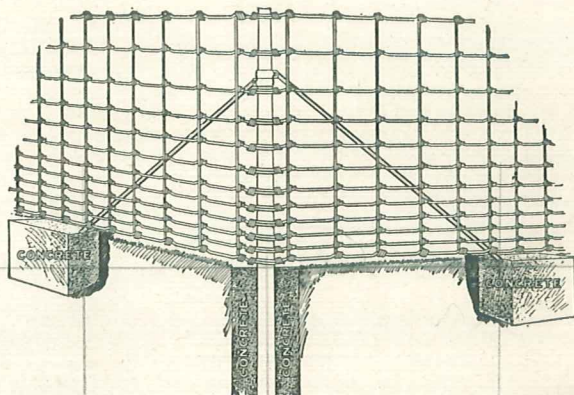


The End Post

American End Post includes the post proper, brace collar, upper brace connection, the brace and brace foot. When you buy the end post, the price covers everything complete. In shipping all the fixtures are wired to the post, one post to bundle.

The Corner Post

American Corner Post includes the post proper, brace collars, two upper brace connections, two braces and two brace feet. This makes the complete post ready to set. One post to bundle.



Post Fixtures

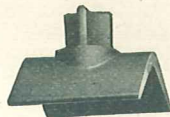
List Prices on Pages 44 and 45



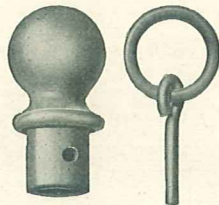
No. K43



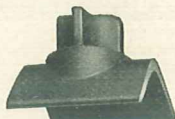
No. K44



No. K38



No. K18 Ring and Pin



No. K39



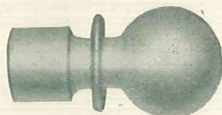
No. K41



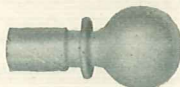
No. K40



No. K42



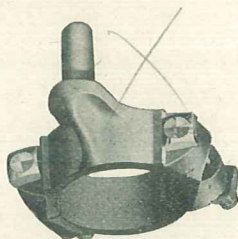
No. K34. End and
Corner Top



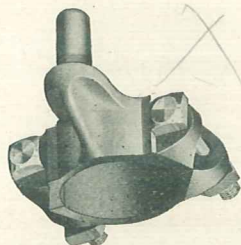
No. K35. Line Top



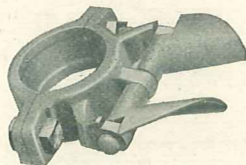
No. K36
Driving Cap



No. K29. Lower Gate Hinge Collar



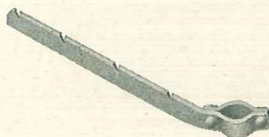
No. K30. Upper Gate Hinge Collar



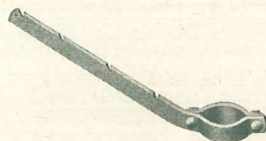
No. K5656. Pig Ear Latch



Line Post Anchor



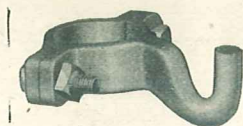
Arm for Line Post



Arm for End or Corner Post

Fixtures for Hanging Yankee Gates on American Steel Posts

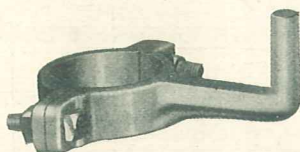
List Prices on Page 45



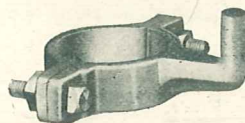
No. K200
Swivel Collar



No. K201
Top Latch Hook

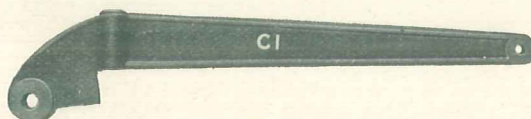


No. K202
Hinge Guide



No. K203
Bottom Latch Hook

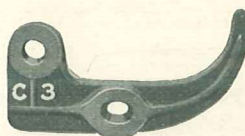
Parts of American End Tool



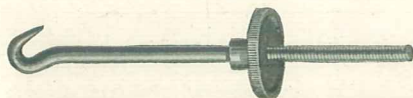
No. C1. Lever



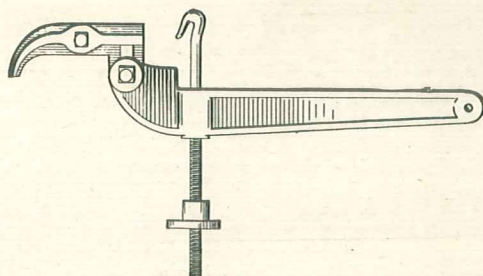
No. C2. Jaw



No. C3. Jaw



Hook



American End Tool

Specifications and List Prices of American Steel Fence Posts and Fittings

Effective October 15, 1914. Subject to change without notice.

American Fence Posts

Gage and Design	Length in Feet	Approx. Weight in Pounds	List Prices per Post
No. 16 Line Post	5	5.7	\$0.38
No. 16 Line Post	6½	7.	.44
No. 16 Line Post	7	7.75	.49
No. 16 Line Post	7½	8.5	.53
No. 16 Line Post	8	9.	.57
No. 16 Line Post	9	10.5	.66
No. 13 Line Post	5	8.	.48
No. 13 Line Post	6½	10.	.60
No. 13 Line Post	7	11.5	.68
No. 13 Line Post	7½	12.25	.72
No. 13 Line Post	8	13.25	.79
No. 13 Line Post	9	15.	.89
No. 13 Line Post	10	17.	1.00
No. 13 Line Post	11	19.29	1.15
No. 10 End Post	7	51.	3.10
No. 10 End Post	8	59.	3.50
No. 10 End Post	9	67.	3.90
No. 10 End Post	10	119.	7.75
No. 10 End Post	11	122.	7.90
No. 10 Corner Post	7	75.	4.60
No. 10 Corner Post	8	86.	4.95
No. 10 Corner Post	9	97.	5.70
No. 10 Corner Post	10	195.	12.55
No. 10 Corner Post	11	197.	12.70

Fittings for American Posts

	Approximate Weight		List Price Each
	Pounds	Ounces	
No. K43, Brace Collar for 7, 8, and 9 ft. posts (including bolt).....	1	13	\$0.40
No. K44, Brace Connection for K43 Brace Collar	1	..	.10
No. K38, Brace Foot for 7, 8, and 9 ft. posts	2	5	.20
No. K35, Line Post Top*	1	..	.10
No. K34, End and Corner Post Tops*	2	3	.20
No. K18, Hitching Post Top, Ring and Pin (complete)	2	8	.50
6 ft. x 1½-inch Brace for 7 ft. End and Corner Posts (each)	17	..	1.25

*All tops take list prices subject to discount, and will be invoiced separately, whether attached to posts or otherwise.

Fittings for American Posts—Continued

	Approximate Weight		List Price Each
	Pounds	Ounces	
7 ft. x 1½-inch Brace for 8 ft. End and Corner Posts (each).....	19	..	\$1.50
8 ft. x 1½-inch Brace for 9 ft. End and Corner Posts (each).....	22	..	1.75
Line Post Anchors (American).....	..	5	.03
American Extension Arms, for Line Posts.....	2	..	.30
American Extension Arms for End and Corner Posts.....	2	8	.40
American Extension Anchor Arms.....	3	8	.60

Fittings for 10 and 11-Foot End and Corner Posts

No. K40, Brace Connection.....	1	9	.20
No. K41, Upper Brace Collar (including bolt).....	1	13	.50
No. K42, Lower Brace Collar (including bolt).....	2	5	.50
No. K39, Brace Foot.....	3	2	.30
Upper Brace 9 ft. 6 in. x 2 in.....	35	..	2.80
Lower Brace 7 ft. 9 in. x 2 in.....	29	..	2.36

Fittings for Hanging Walk and Single Drive Gates on American Steel Posts

No. K29, Lower Hinge for American Gates, 58 in. and less in height (Complete with bolts).....	2	2	.40
No. K30, Upper Hinge for American Gates (complete with bolts).....	2	..	.40
No. K28, Lower Hinge for American Gates more than 58 in. in height (Complete with bolts).....	2	8	.45
No. K5656, Pig Ear Latch (complete).....	2	6	.40

Fittings for Hanging Yankee Gates on American Steel Posts

No. K200, Swivel (complete with bolts).....	2	4	.24
No. K202, Hinge Guide (complete with bolts).....	2	8	.28
No. K201, Upper Latch Hook (complete with bolts).....	2	1	.24
No. K203, Lower Latch Hook (complete with bolts).....	2	5	.26

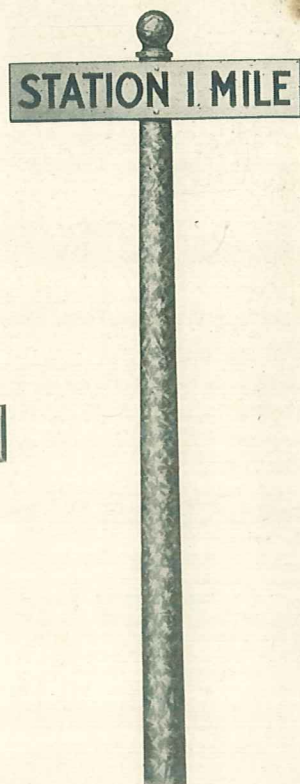
Tools

American Post Auger.....	8	..	2.00
American End Tool.....	7	..	1.00
American Driving Cap, No. K27.....	1	..	.10

American Sign Posts



Galvanized Sign
Post Fixture



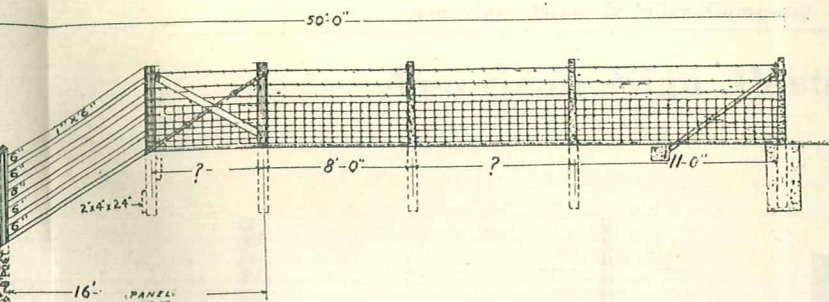
For Sign Posts, Whistle Board Posts, Railroad Crossing Posts and similar purposes, we furnish Galvanized Steel Posts as above.

Specifications B

Length Feet	Top Diameter in Inches	Bottom Diameter in Inches	No. 12 GAGE		No. 10 GAGE	
			Approximate Weight Pounds	List Price Each	Approximate Weight Pounds	List Price Each
5	2 1/8	2 1/8	14.75	\$1.21	18.	\$1.34
6	2 1/8	2 1/8	17.5	1.35	22.5	1.57
6 1/2	2 1/8	2 1/8	19.2	1.44	25.4	1.71
7	2 1/8	2 1/8	21.3	1.55	28.2	1.85
8	2 1/8	2 1/8	24.7	1.73	33.25	2.06
9	2 1/8	2 1/8	29.	1.95	37.25	2.31
10	2 1/8	2 1/8	33.	2.16	43.	2.59
11	2 1/8	2 1/8	36.5	2.34	47.5	2.82

Galvanized Ball Tops for Specifications B, attached or in bulk, each \$0.20
Galvanized Sign Post Fixture for Specifications B, attached or in bulk, each 1.00

All tops and sign post fixtures take list prices subject to discount, and will be invoiced separately, whether attached to post or otherwise.



AMERICAN STEEL & WIRE COMPANY Standard Plan of Fence Construction on Steel Posts)

SPECIFICATIONS

Posts to be 8' long, No. 10 gage American Galvanized Steel Posts, set 3' in concrete. Line Posts No. 16 gage, set $2\frac{1}{2}'$ in the ground. Line Posts may be driven in ordinary soil, using no hard, small hole can be bored for line posts with American Post Auger, 2" diameter.

Fence to be American Steel & Wire Company's American Railroad Fence 26" high, seven longitudinal wires with stays No. 9 gage, hard drawn steel, and thoroughly galvanized.

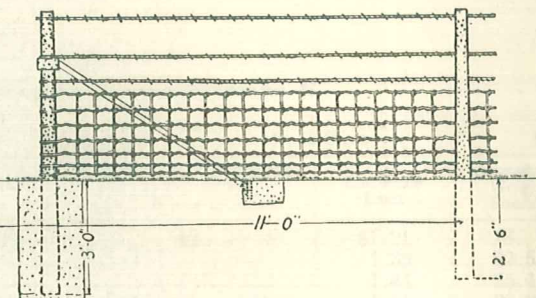
Use American Glidden Galvanized Barbed Wire, spaced as shown on plan.

Use galvanized steel braces to be set in block of concrete, as shown on plan.

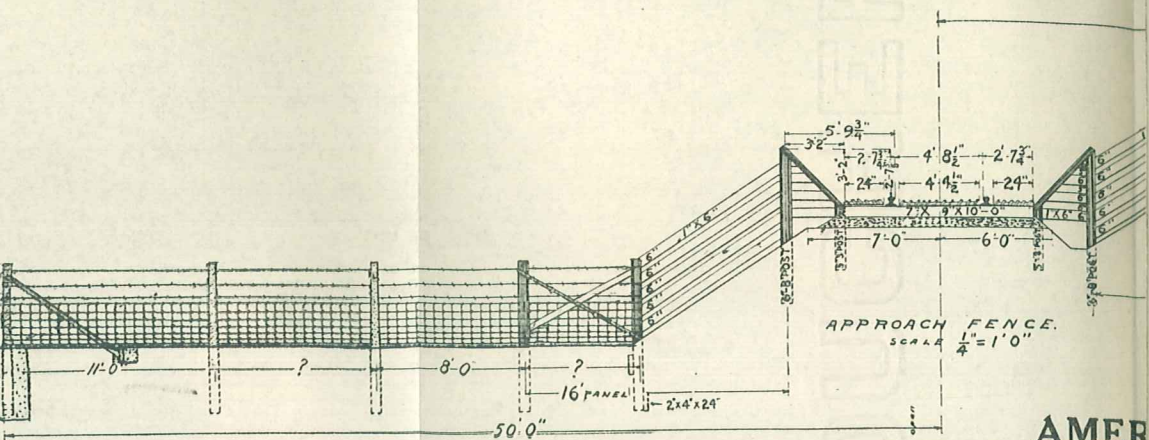
Fence 26" high, with three strands of barbed wire above. Posts to be set one rod apart. On sharp curves use End or Corner to meet increased pressure at such points.

Finish on A wing side with a wood post, braced and anchored, as shown on plan. Finish on B wing side with a wood post, braced and anchored, as shown on plan. Finish on A wing side with a wood post, braced and anchored, as shown on plan.

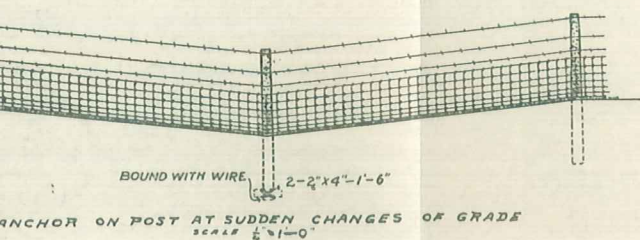
Opening for
Farm Crossing Gates
May be 10', 12', 14', or 16'
See Pages 28 to 33 for Gates



AMERICAN STEEL & WIRE COMPANY
STANDARD PLAN
FENCE CONSTRUCTION ON
STEEL POSTS



AMER (Standard P



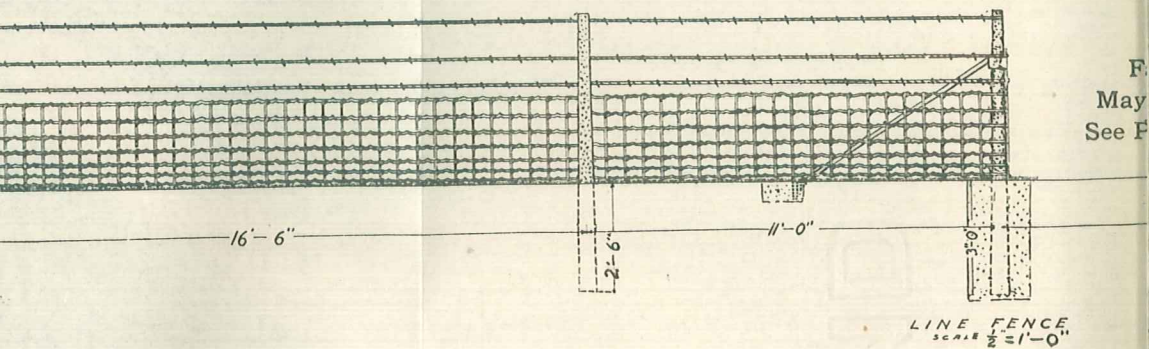
POSTS: Corner and End Posts to be to be 7' No. 13 gage, or 7' No. driving cap. If ground is too hard

WIRE: Bottom—American Steel & Wire 6" apart. All wires to be No. 9 Top—Three strands American Galvanized

BRACES: All Corner and End Posts galvanized

LINE FENCE: Woven Wire Fence Wire to be placed on outside of

APPROACH FENCE: American Fence of track to be 8' long, 6" top width 5-board panel, as shown on plan.

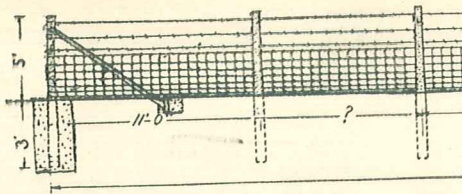


F.
May
See P

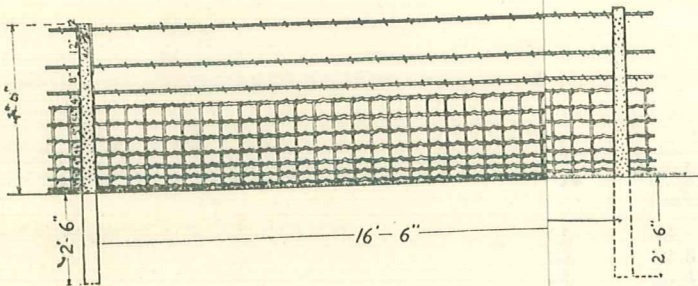
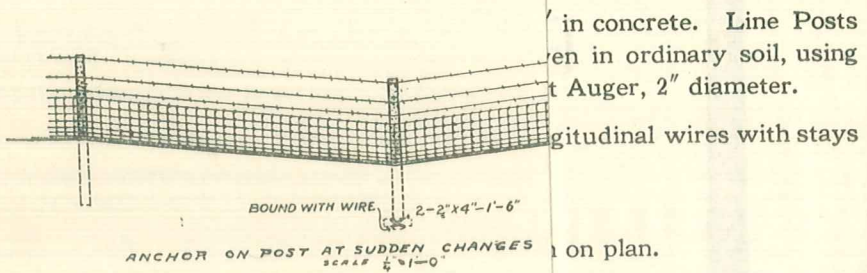
Standard Plan of Construction

Using Steel Posts

The drawing on opposite page shows our 26-inch All No. 9 wire. American railroad fence, design 726, stays 6 inches apart, 3 strands of barb wire spaced above it, erected on our galvanized steel fence posts, with first panel in approach fence constructed out of 1 x 6 pine fencing on wood posts. This panel is to be of rough lumber, in order that it may be whitewashed, which makes it very sightly.



sts)



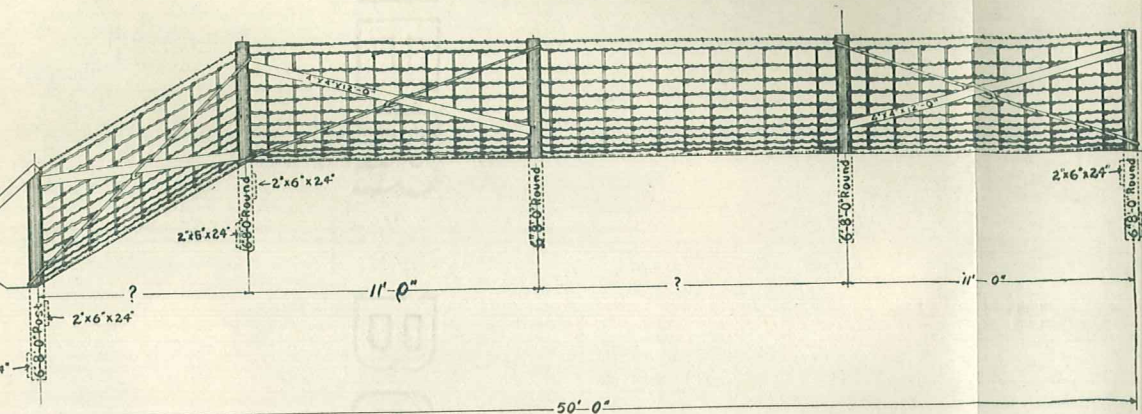
AN STEEL & WIRE COMPANY
 STANDARD PLAN
 ICE CONSTRUCTION ON
 STEEL POSTS

Standard Plan of Construction

Using Wood Posts

The drawing on next page shows our No. 1047, All No. 9 woven wire right-of-way fence, all longitudinal wires No. 9, Steel Wire Gage (formerly American Steel & Wire Company's Gage), stay wires No. 9 and spaced 12 inches apart, one strand of 2-pt. regular Glidden galvanized barbed wire spaced 4 inches above the top wire of the woven wire fence.

For Standard Plan of Construction with Steel Posts see page 47.



CE
5"

t, set 3'-6" in ground.

of the following specifications:
thoroughly galvanized.
cifications.

as shown on plan.

st 11'-0" center to

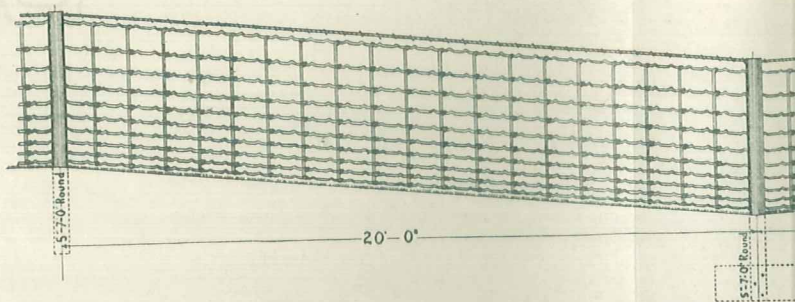
alvanized wire cable.

erplan. Also all abrupt
t from ground.

20'-0" center to center.
ced on inside of post.

E. Posts to be same

necessary to set closer.



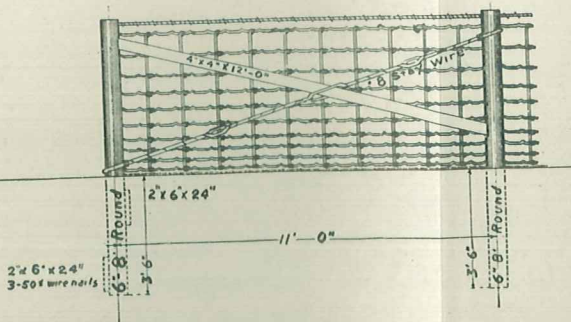
ANCHOR ON POST AT SUDDEN CHANGE:
Scale $\frac{1}{2} = 1'-0"$

6" x 24"

36"

6" x 8" Round

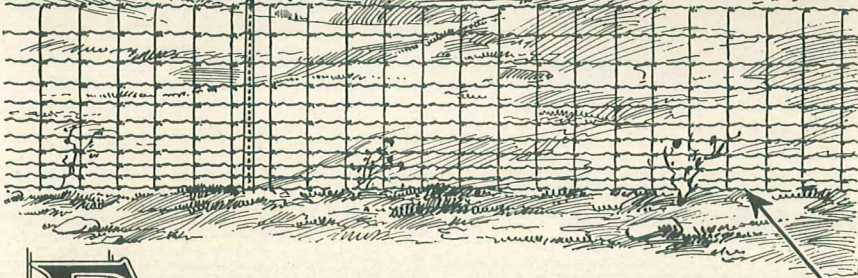
OPENING FOR
FARM CROSSING GATES
MAY BE 10', 12', 14' OR 16'
SEE PAGES 28 TO 33 FOR GATES



E FENCE
2" = 1'-0"

Fence Building

With American Steel Fence Posts



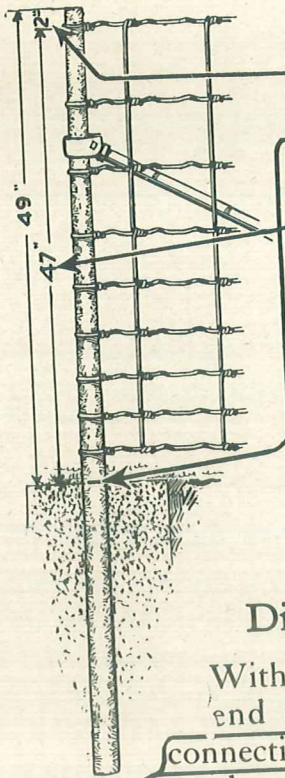
FENCE building is greatly facilitated if, at the outset, the fence line is properly cleared of brush, stumps, rocks and other obstructions which, if not taken into consideration, will interfere with the lining up of the posts and stretching of the wire fabric. A fence should be pig tight and hog tight at the bottom, and to make it so the humps should be leveled off in order that the bottom of the fence shall rest naturally and snugly on the ground at the lowest points.



Digging Holes

The next step is to dig holes for end posts and corner posts. Wherever a gate is to be placed in the fence line, two end posts will be necessary. If the gate is placed at a corner, two end posts will answer—one at the corner, the other at the opposite end of the gate. Under ordinary conditions, with soil fairly firm and not too wet, the hole for the American steel end post may be in size 18 inches by 20 inches, the longer dimension being parallel with the fence line. Set the post not less than 3 feet deep, and even deeper if the post will admit being more than 3 feet in the ground and leave enough above ground to carry the fence. Corner posts, under normal conditions, require a hole whose dimensions are 20 inches by 20 inches and not less than 3 feet deep.





Posts should not extend above the top wire of the fence more than 2 inches.

After digging the hole for the end post, make a mark on the post, measuring from the top, indicating how far the post should be set in the ground. For instance, if the fence is to be 47 inches high place the mark 49 inches from the top of the post. Put the post in the middle of the hole and fill the hole with concrete level with the surface of the ground, making sure that the mark on the post is level with the surface. Be certain that the bottom of the post hole is as large, if not larger, than the top of the hole.

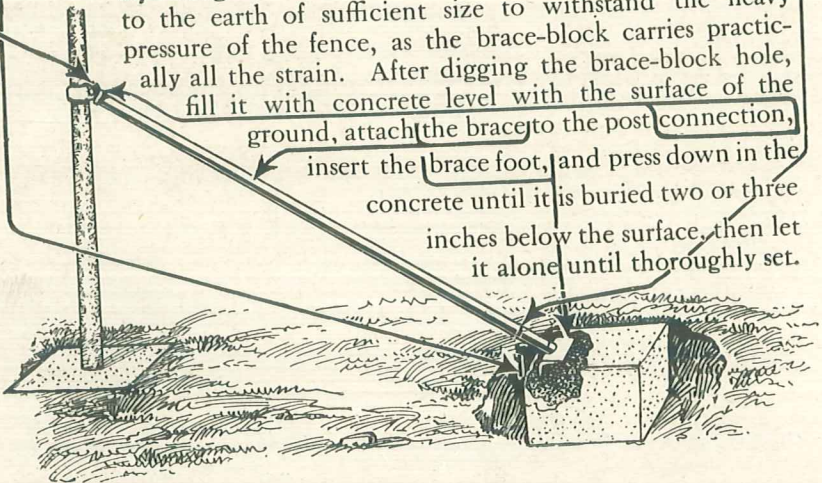


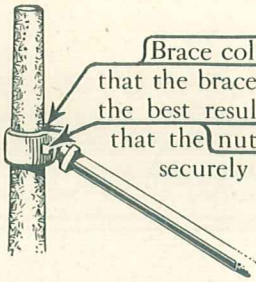
Digging the Brace Block Hole

Without disturbing the concrete about the end post, slip the brace over the brace-connection, let the other end of the brace rest on the ground, and make a mark 2 or 3 inches nearer the post than the end of the brace.

This mark will be the edge of the brace-block hole next the post. Dig the brace-block hole the same width and length as the end post hole, and from 16 inches to 18 inches deep if the ground is reasonably firm. If the ground is quite soft and yielding, make the brace-block bigger, a little deeper and increase width and length. The brace-block must present a surface to the earth of sufficient size to withstand the heavy pressure of the fence, as the brace-block carries practically all the strain. After digging the brace-block hole, fill it with concrete level with the surface of the ground, attach the brace to the post connection,

insert the brace foot, and press down in the concrete until it is buried two or three inches below the surface, then let it alone until thoroughly set.





Brace collars must be in place and tight. Always see that the brace collar is down on the post far enough to get the best results. Before stretching ascertain and be sure that the nut on the brace collar bolt is turned up very securely. This collar must be tight or it will slip.

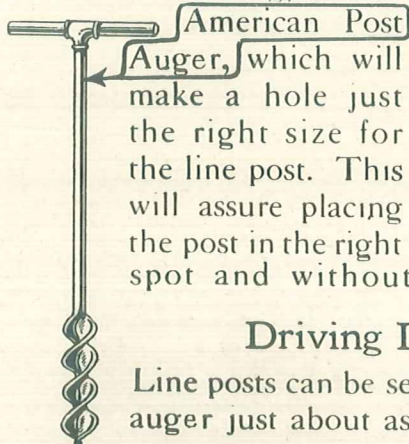
Setting Line Posts

It is a good plan to use a line in setting line posts, as this will provide a more certain means of getting the fence straight. In ordinary soil with a crowbar make a hole for the line post 10 or 15 inches deep. Put the post in this hole and the American Driving Cap on top of the post, then with a maul (preferably a wood or woodfaced maul) drive the post down, using light blows and more of them, rather than trying to drive too far with each blow.

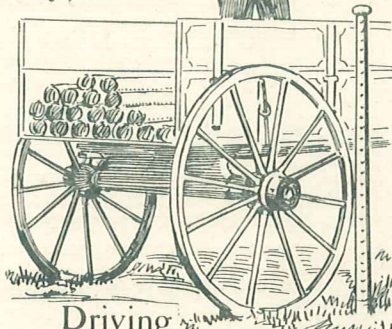


If the ground is hard, stony, or full

of roots whereby the post is apt to be damaged in driving, use the



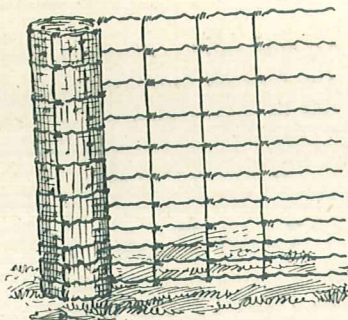
American Post Auger, which will make a hole just the right size for the line post. This will assure placing the post in the right spot and without damage.



Driving American Line Posts

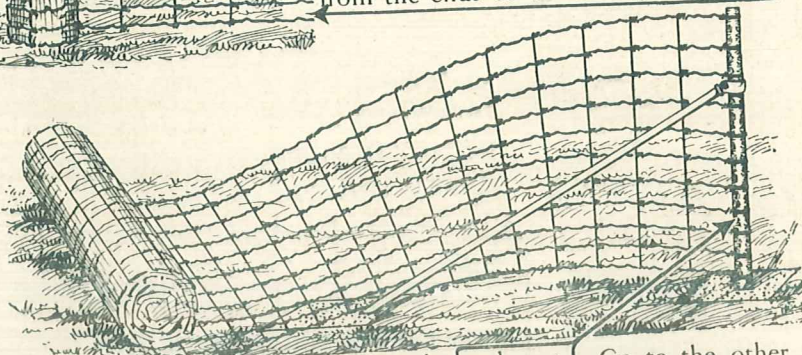
Driving Line Posts

Line posts can be set with the American 2-inch auger just about as fast as they can be driven.



Stretching Fence on American Steel Posts

Do not attempt to stretch fence until the concrete about the ends and corners is thoroughly set. First, unroll the fence on the ground with the bottom bar next to the posts. Trim the stay wires from the ends of the fabric, as shown.



Fasten the bars of the fence to the **end post**. Go to the other end post and pull as much as possible of the slack out of the fence while it is lying on the ground. Attach **stretcher bar** to the fence so that when the stretching is done, the **stretcher bar** will be from 2 to 4 feet from the end post. Put in a

wood dummy post 4 or 5 feet back of the steel end post and then insert a good **heavy brace**,

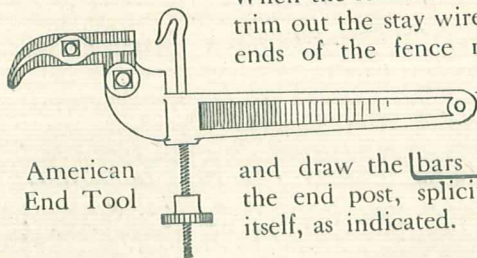
letting one end of the brace rest on the **brace collar** of

the steel post, attach **the stretcher chain** to this dummy post, working **the stretcher head** between the dummy post and the steel post. While stretching, lift the fence off the ground occasionally between the end posts so as to relieve the friction and let the fence distribute itself over the line.

When the fence is stretched tight, trim out the stay wires so that the ends of the fence may be wrapped about the

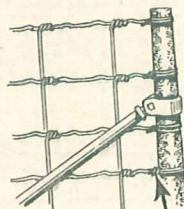
posts to make a neat job.

Use the **American End Tool** or some other tool



American End Tool

and draw the **bars** of the fence tightly about the end post, splicing the ends about the bar itself, as indicated.

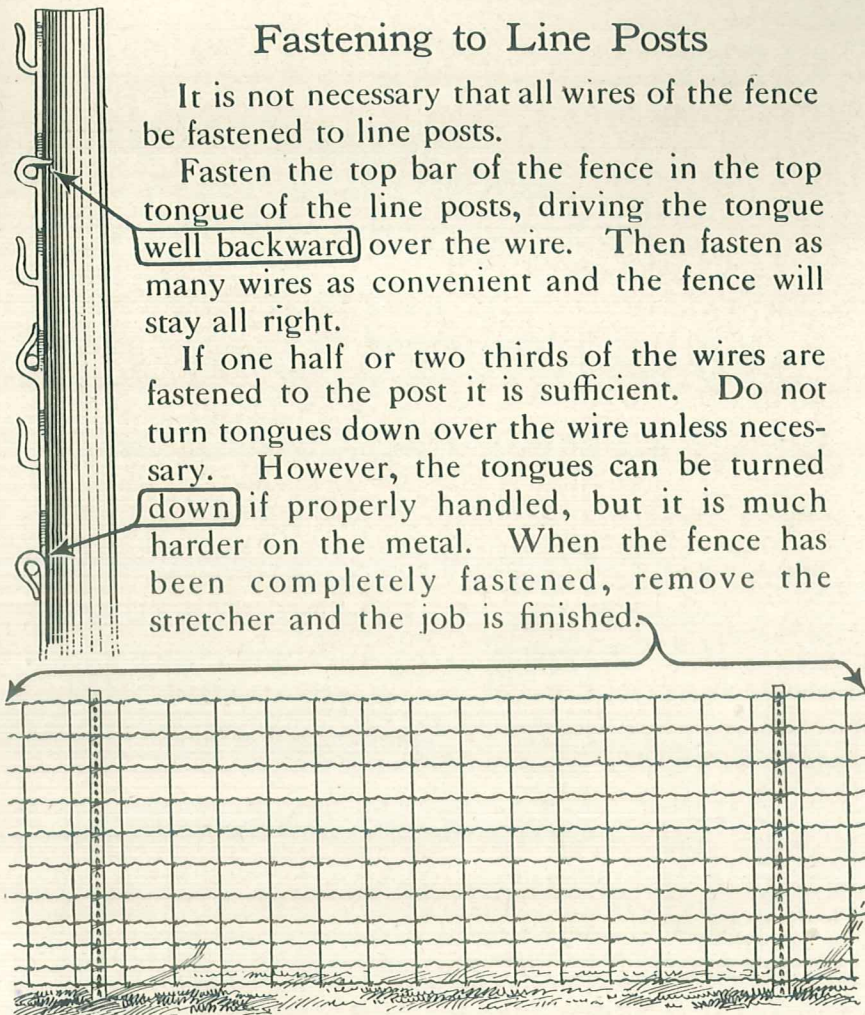


Fastening to Line Posts

It is not necessary that all wires of the fence be fastened to line posts.

Fasten the top bar of the fence in the top tongue of the line posts, driving the tongue well backward over the wire. Then fasten as many wires as convenient and the fence will stay all right.

If one half or two thirds of the wires are fastened to the post it is sufficient. Do not turn tongues down over the wire unless necessary. However, the tongues can be turned down if properly handled, but it is much harder on the metal. When the fence has been completely fastened, remove the stretcher and the job is finished.



A Successful Fence

Every fence for good service must depend largely on its foundations. The foundations of any wire fence are its ends. Get the ends right. They must be solid and immovable. Then thoroughly stretch the wire fabric and fasten it properly to the end posts, and satisfactory service will follow.

Hanging Gates on American Steel Posts

We give distances between posts for hanging various styles of American gates. However, the best method to use in hanging steel gates on steel posts is to have the gate on the ground and, after the holes are dug for the end posts, put the hinges on one post and the latch on the other, hang the gate between the two posts, brace the posts and gate so that they will stand in the position they are expected to take after the fence is up. When the gate has been hung and braced so it will stand, fill the end post holes with concrete and allow the gate to remain on the posts. This insures the correct hanging, whereas if the gate is not hung the posts might move a little, and after the concrete sets it is difficult to rectify such an error.

Fence Building With Wood Posts

End Post With Anchors

The first act in fence building is the setting of the end posts 4 to 4½ feet deep in a hole which has one side flat where the post will come flush with the flat side

and lean against the solid earth.

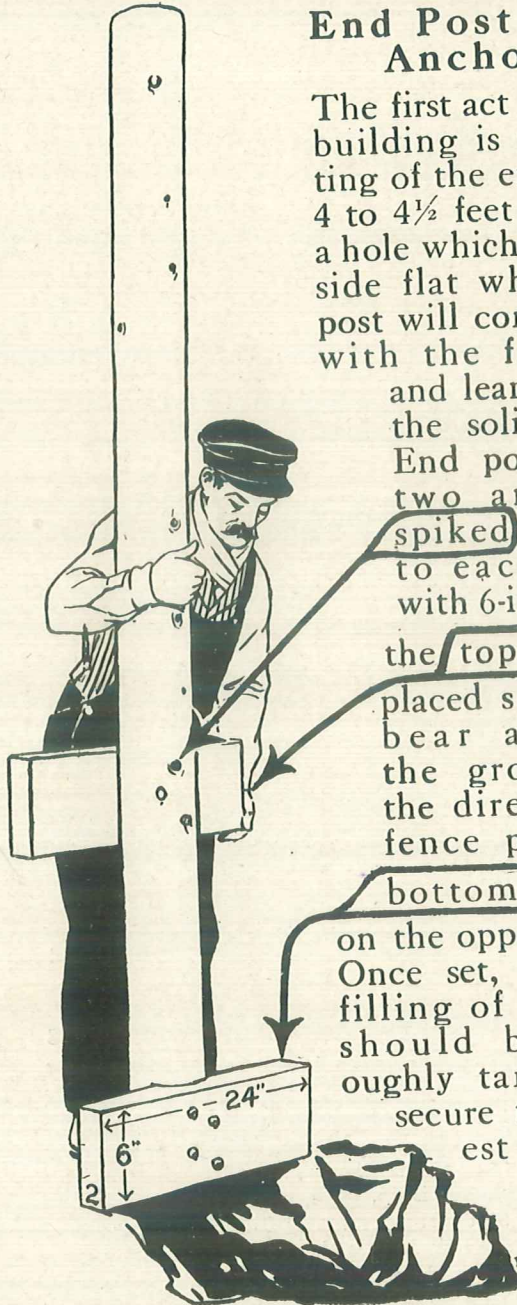
End posts have two anchors, spiked securely to each post, with 6-in. spikes,

the top anchor placed so it will bear against the ground in the direction of fence pull, the

bottom anchor

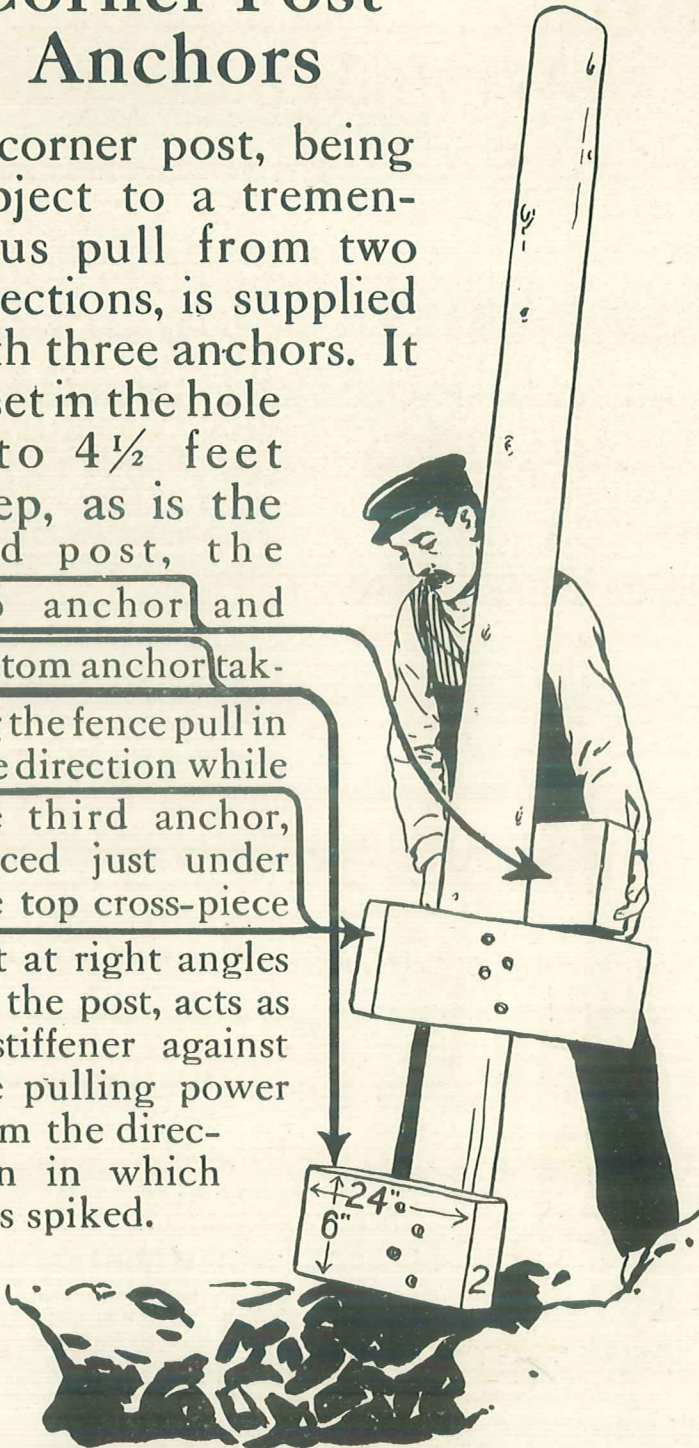
on the opposite side. Once set, the earth filling of the hole should be thoroughly tamped, to

secure the greatest possible solidity.



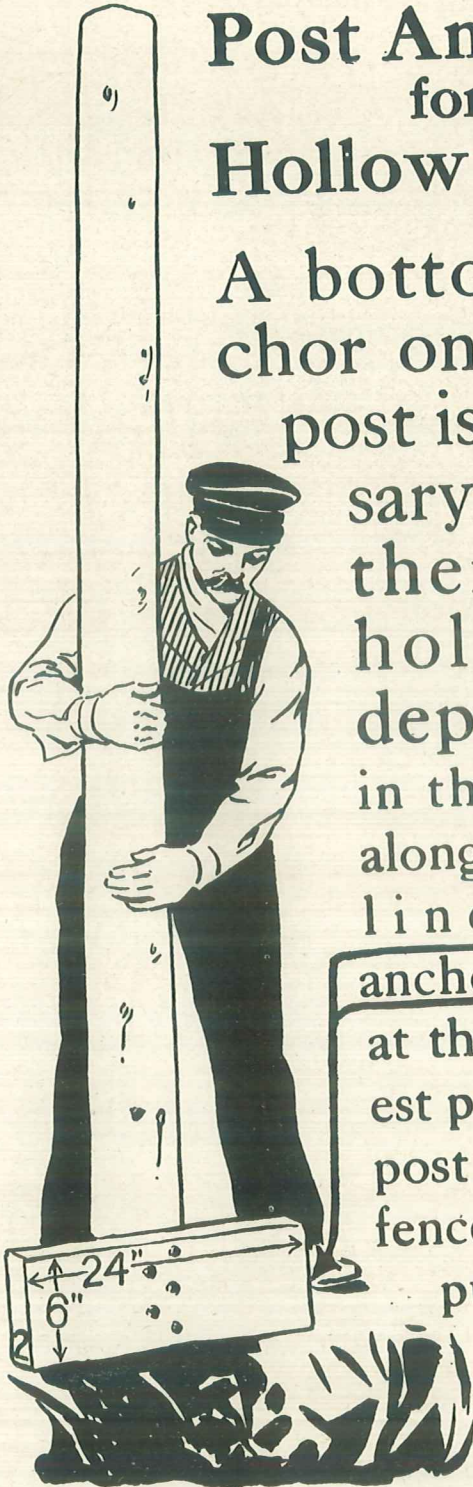
Corner Post Anchors

A corner post, being subject to a tremendous pull from two directions, is supplied with three anchors. It is set in the hole 4 to 4½ feet deep, as is the end post, the top anchor and bottom anchor taking the fence pull in one direction while the third anchor, placed just under the top cross-piece but at right angles on the post, acts as a stiffener against the pulling power from the direction in which it is spiked.



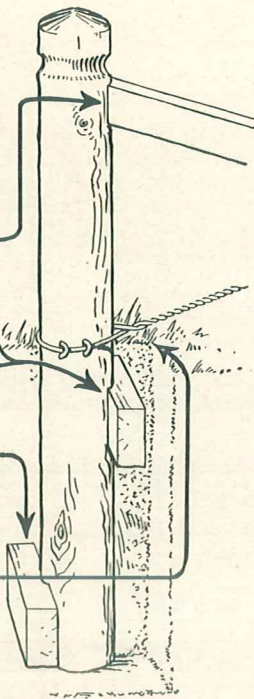
Post Anchors for Hollow Places

A bottom anchor on a line post is necessary where there is a hollow or depression in the ground along the fence line. This anchor is placed at the very lowest point on the post so that the fence shall not pull the post out of the ground.



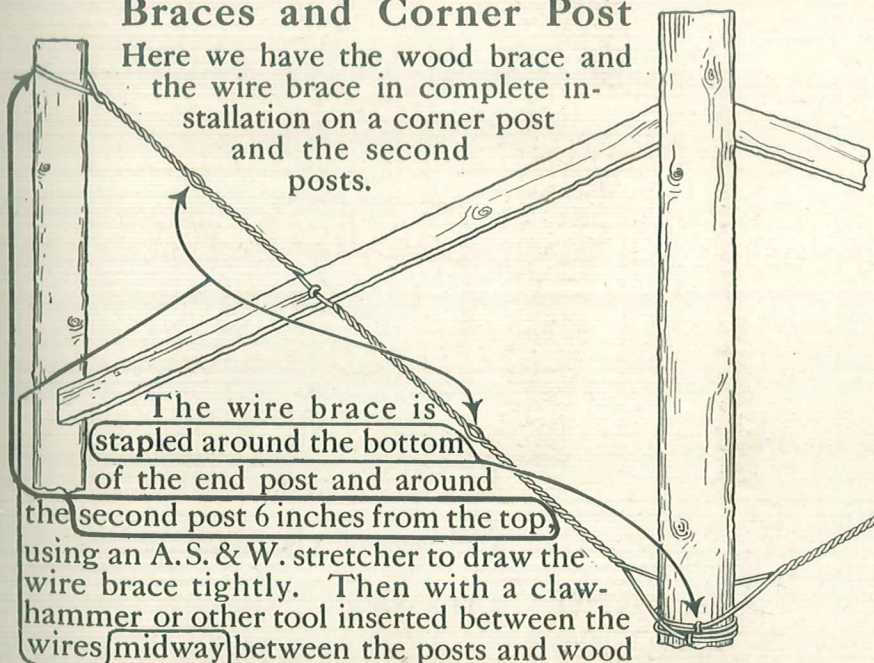
Wood and Wire Braces—End Post

End and second posts with necessary braces and anchors constitute the foundation of the fence. This is the end post with anchors at top and bottom, and also with the wood brace and wire brace to the second post, shown in their proper positions. The top anchor bears against the ground in the direction the fence is to be pulled, the bottom anchor on the opposite side of the post providing resistant leverage. The counter, or wire brace, No. 8 or larger soft galvanized wire, is wound and stapled at the bottom of the end post close to the ground.



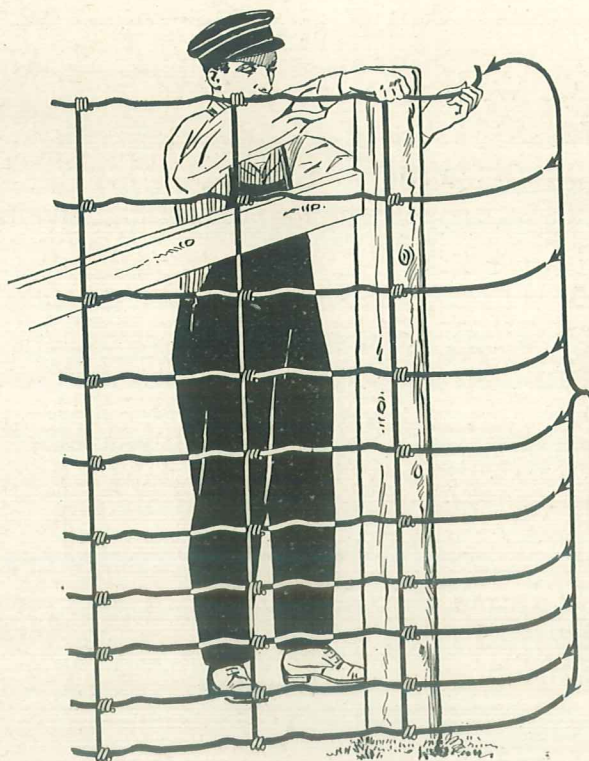
Braces and Corner Post

Here we have the wood brace and the wire brace in complete installation on a corner post and the second posts.



The wire brace is stapled around the bottom of the end post and around the second post 6 inches from the top, using an A.S. & W. stretcher to draw the wire brace tightly. Then with a claw-hammer or other tool inserted between the wires midway between the posts and wood

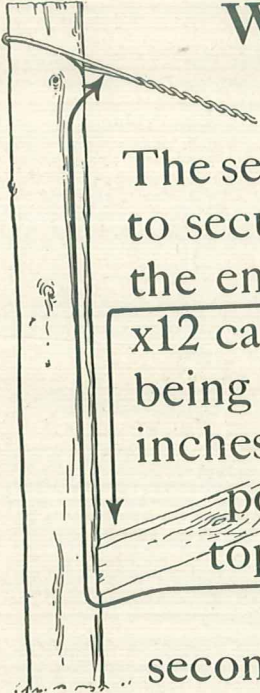
brace intersection, twist the wire brace until it becomes a hard and taut cable. This act is done both above and below the wood brace.



Stretching the Fence

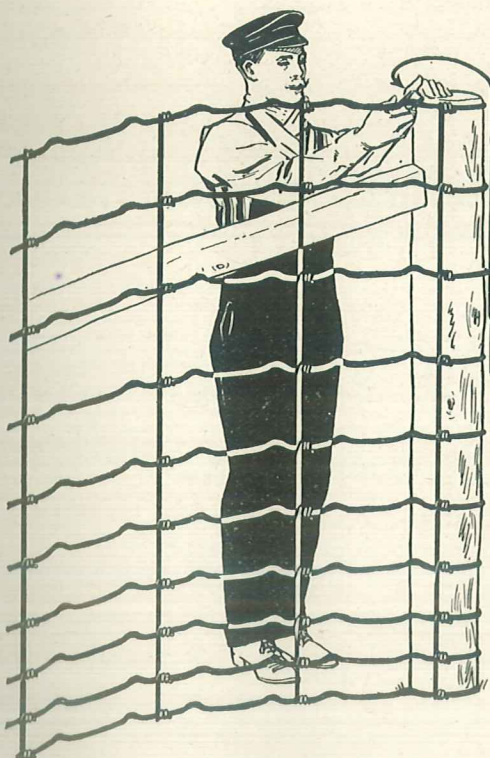
As line posts do little work other than sustaining a part of the weight and holding the fence in position, they are spaced about 1 rod apart, being set 3 ft. deep at least. Unroll enough fence to fasten around corner or end post, as desired, standing fence up against the post, large meshes on top and leaving enough to go clear around the post.

Wood and Wire Braces— Second Post



The second, or brace post, also anchored to secure a better job, is set 11 feet from the end post, so that a wood brace 4x4 x12 can be placed diagonally, this brace being set flat against the post about 10 inches from the ground at the second post and the same distance from the top of the end post. The wire brace is attached or wound around the second post about 6 inches from its top.

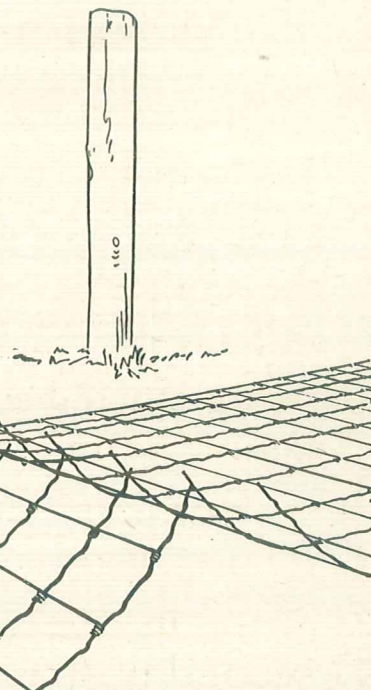
Stretching the Fence



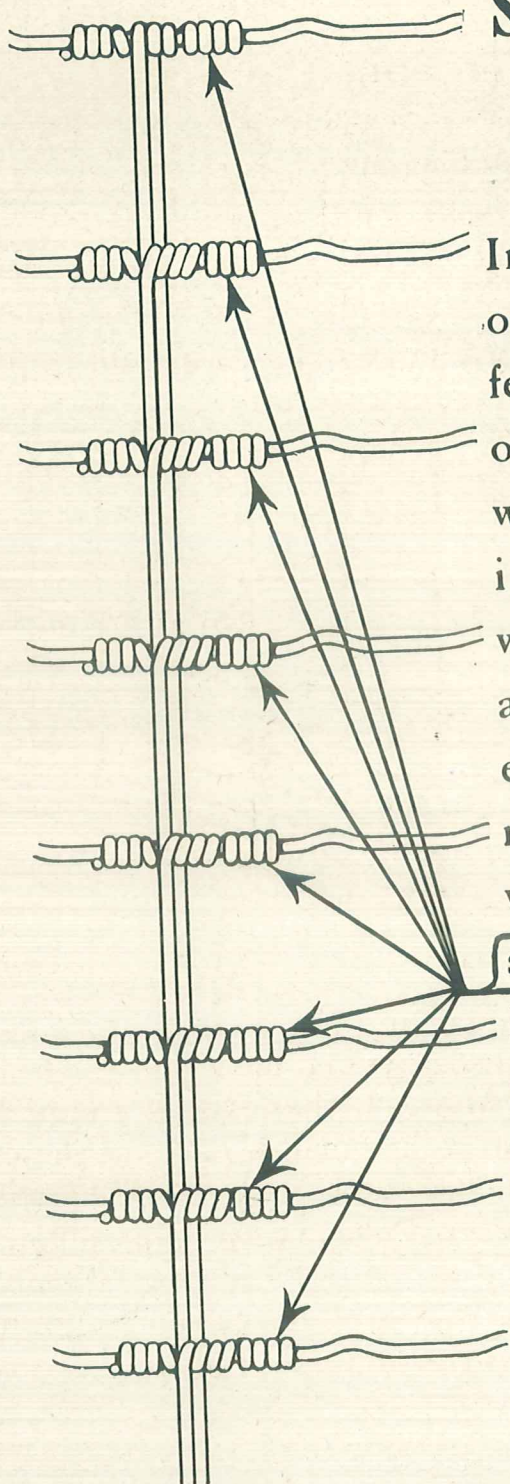
After getting the fence into position at the end or corner post, fasten each line wire around the post, wrapping the line around its own member. Then each line wire should be thoroughly stapled to the end post, staples being driven down firmly, contrary to the method for stapling line posts where staples are driven in lightly to permit line wires to work back and forth more or less freely.

Splicing the Fence

The fence roll having been laid down to its end and when another roll is to be spliced, leave approximately 6 inches of wire from each stay at the end and splice it by wrapping the end of one wire around the corresponding wire of the second roll of fence, using the American fence tool.



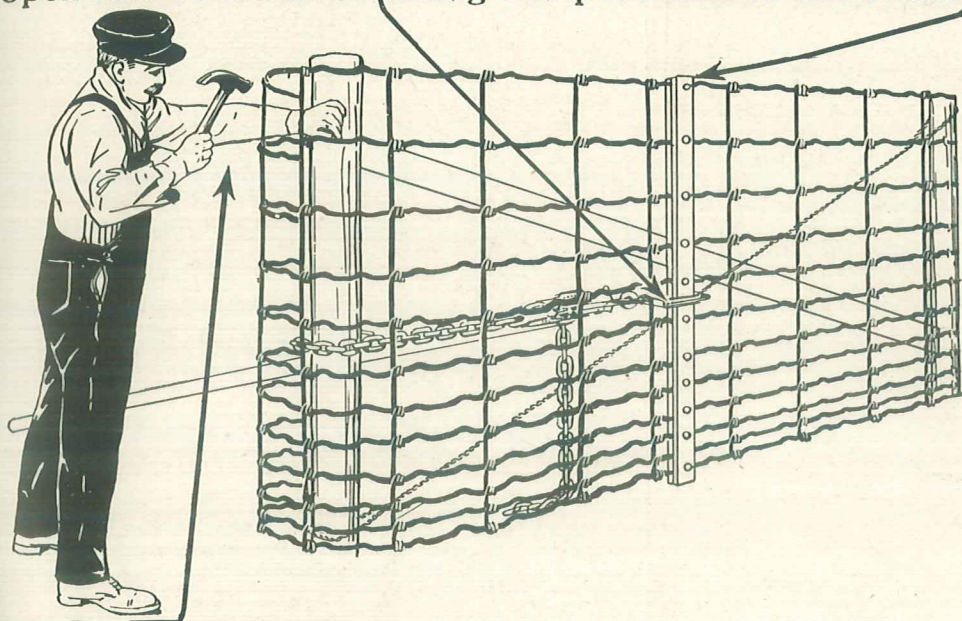
Splicing the Fence



In splicing one roll of fence to another the wires having been wrapped around each corresponding wire, the **splices** will have the neat and strong appearance as shown in the illustration.

Stretching the Fence

The splicing of the two rolls of fence having been completed, the fence builder proceeds to the end of the line, stretching the fence by hand as much as possible while it lies on the ground. The **stretcher clamp bar** then is attached, the **large hook** placed on the wooden clamp, open side of the hook facing the posts and in the center

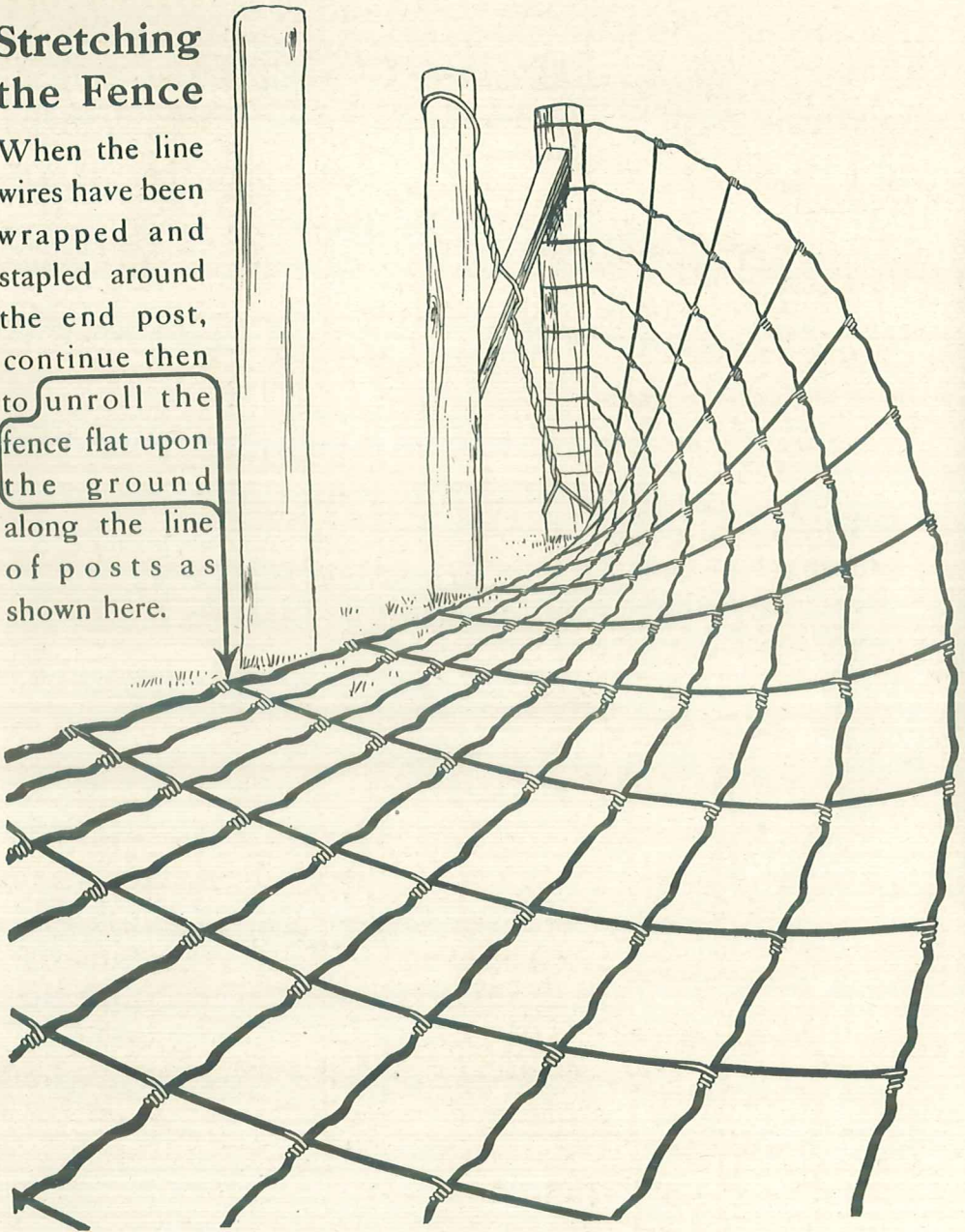


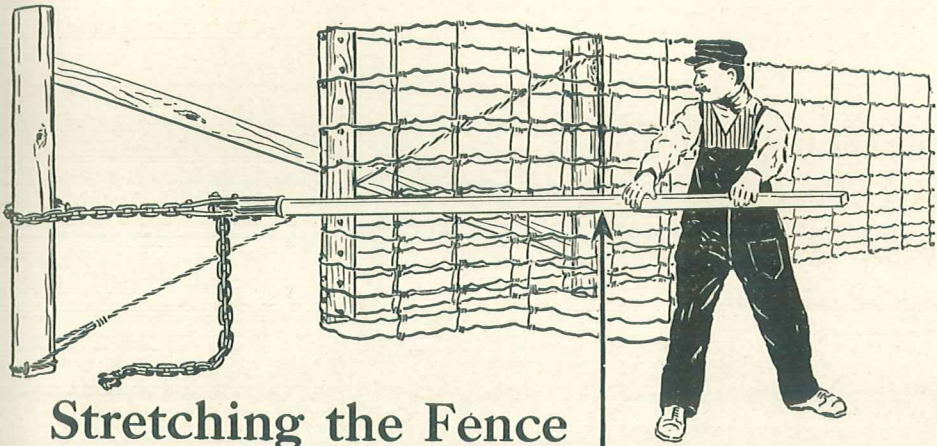
of the fence with equal number of line wires above and below. The stretcher is worked back and forth until the fence is thoroughly tight. It then will be found that the fence between the stretcher clamp bar and the end post needs to be taken up, and this is done with the **hand A. S. & W. stretcher**, each wire being taken up by itself.

The operator holds the stretcher with his body while driving the staples on the end post tightly.

Stretching the Fence

When the line wires have been wrapped and stapled around the end post, continue then to unroll the fence flat upon the ground along the line of posts as shown here.



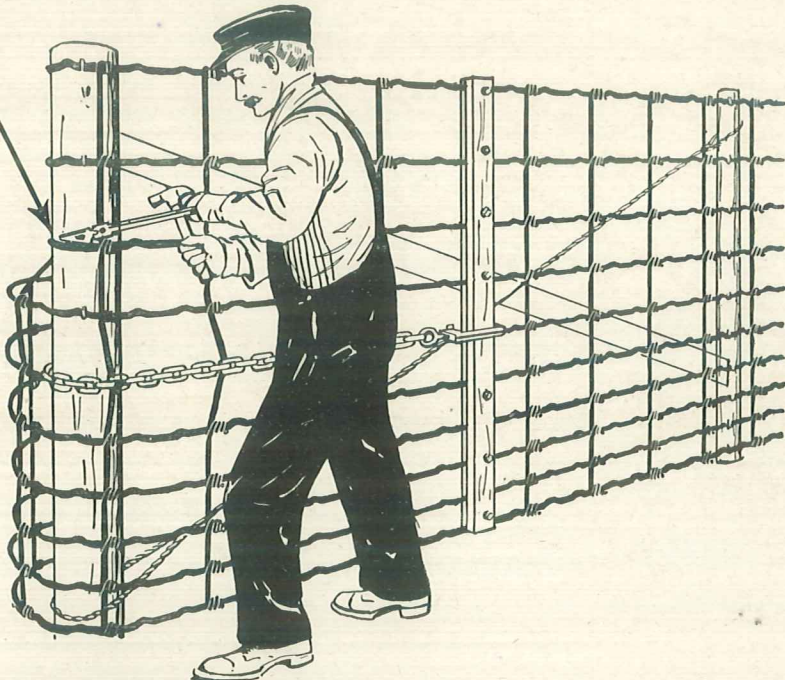


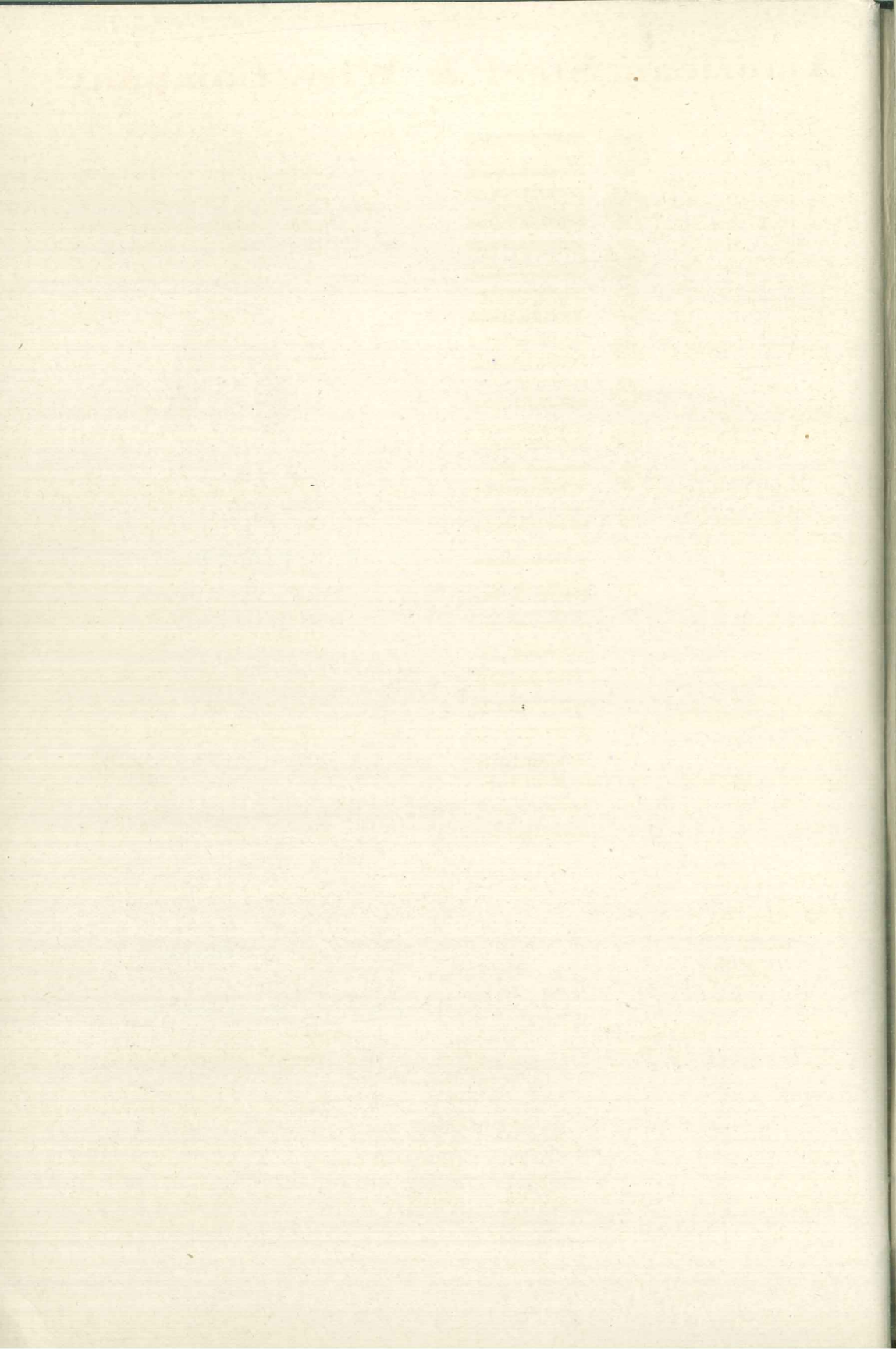
Stretching the Fence

In using a stretcher, a Lott for instance, a long lever especially is desirable, because with it one man may accomplish as much as several men with a short lever. Note the lever length.

Stretching the Fence

Following the driving of staples in end post after each single wire has been drawn tightly, each individual wire is brought around the post, fastening and twisting the wire to the corresponding member of the fence.





American Steel & Wire Company

Decimal Equivalents		Full Sizes of Plain Wire	Steel Wire Gage* No.	Sizes of Wire		Weight One Mile Pounds	Pounds per Foot	Feet to Pound
				Com'on Fr'ct'ns	Decimally			
$\frac{1}{64}=.0156$	$\frac{33}{64}=.5156$		1		.2830	1128.0	.2136	4.681
$\frac{1}{32}=.0312$	$\frac{17}{32}=.5312$		2	$\frac{9}{32}$	.28125	1114.0	.211	
$\frac{3}{64}=.0468$	$\frac{31}{64}=.5468$		3	$\frac{1}{4}$	.2625	970.4	.1838	5.441
$\frac{1}{16}=.0625$	$\frac{15}{16}=.5625$		4		.250	880.2	.1667	
$\frac{5}{64}=.0781$	$\frac{37}{64}=.5781$		5	$\frac{3}{8}$	.2437	836.4	.1584	6.313
$\frac{3}{32}=.0937$	$\frac{35}{32}=.5937$		6		.2253	714.8	.1354	7.386
$\frac{7}{64}=.1093$	$\frac{39}{64}=.6093$		7	$\frac{7}{32}$	.21875	673.9	.1276	
$\frac{1}{8}=.125$	$\frac{5}{8}=.625$		8		.2070	603.4	.1143	8.750
$\frac{9}{64}=.1406$	$\frac{41}{64}=.6406$		9	$\frac{1}{2}$	.1920	519.2	.0983	10.17
$\frac{11}{64}=.1718$	$\frac{43}{64}=.6718$		10	$\frac{5}{32}$	.1875	495.1	.0937	
$\frac{3}{16}=.1875$	$\frac{45}{16}=.6875$		11	$\frac{3}{16}$	.1770	441.2	.0835	11.97
$\frac{13}{64}=.2031$	$\frac{47}{64}=.7031$		12		.1620	369.6	.070	14.29
$\frac{7}{32}=.2187$	$\frac{33}{32}=.7187$		13	$\frac{5}{32}$	.15625	343.8	.0651	
$\frac{15}{64}=.2343$	$\frac{49}{64}=.7343$		14		.1483	309.7	.0586	17.05
$\frac{1}{4}=.25$	$\frac{3}{4}=.75$		15	$\frac{1}{8}$	.1350	256.7	.0486	20.57
$\frac{17}{64}=.2656$	$\frac{47}{64}=.7656$		16		.1250	220.0	.0416	
$\frac{9}{32}=.2812$	$\frac{35}{32}=.7812$		17	$\frac{1}{8}$	.1205	204.5	.0387	25.82
$\frac{19}{64}=.2968$	$\frac{51}{64}=.7968$		18		.1055	156.7	.0296	33.69
$\frac{5}{16}=.3125$	$\frac{13}{16}=.8125$		19	$\frac{3}{32}$	.09375	123.8	.0234	
$\frac{21}{64}=.3281$	$\frac{53}{64}=.8281$		20		.0915	117.9	.0223	44.78
$\frac{11}{32}=.3437$	$\frac{27}{32}=.8437$		21		.0800	90.13	.0170	58.58
$\frac{23}{64}=.3593$	$\frac{55}{64}=.8593$		22		.0720	73.01	.0138	72.32
$\frac{3}{8}=.375$	$\frac{7}{8}=.875$		23		.0625	55.0	.0104	95.98
$\frac{25}{64}=.3906$	$\frac{57}{64}=.8906$		24		.0540	41.07	.0077	128.6
$\frac{13}{32}=.4062$	$\frac{29}{32}=.9062$		25		.0475	31.77	.006	166.2
$\frac{27}{64}=.4218$	$\frac{59}{64}=.9218$		26		.0410	23.67	.0044	223.0
$\frac{7}{16}=.4375$	$\frac{15}{16}=.9375$		27		.0348	17.05	.0032	309.6
$\frac{29}{64}=.4531$	$\frac{61}{64}=.9531$		28					
$\frac{15}{32}=.4687$	$\frac{31}{32}=.9687$		29					
$\frac{31}{64}=.4843$	$\frac{63}{64}=.9843$		30					
$\frac{1}{2}=.5$	1=1.0		31					

* Formerly American Steel & Wire Company's Gage

List of Products

Amerite and Americore Rubber Covered Wire	Ignition Wire
American Wire Rope	Tacks
Aeroplane Wire and Strand	Auto Towing Cable
Piano Wire	Nails, Staples, Spikes
Pipe Organ Wire	Barbed Wire
Mattress Wire	Woven Wire Fences
Weaving Wire	Fence Gate
Broom Wire	Steel Fence Posts
Flat Wire—Flat Cold Rolled Steel	Concrete Reinforcement
Fence Wire	Springs
Spoke Wire for Wire Wheels	Juniata Horseshoes and Calks
Electrical Wires and Cables	Sulphate of Iron
Wire Hoops	Poultry Netting
Rail Bonds	Shafting—Cold Drawn Steel
Bale Ties	Wire Rods

Wire of Every Description

Separate illustrated catalogue issued for each of these products. Furnished free upon request.

Sales Offices

CHICAGO	208 So. La Salle Street	CLEVELAND	Western Reserve Building
NEW YORK	30 Church Street	BALTIMORE	32 So. Charles Street
WORCESTER	94 Grove Street	WILKESBARRE, PA.	Miners Bank Building
BOSTON	120 Franklin Street	ST. LOUIS	3d National Bank Building
PHILADELPHIA	Pennsylvania Building	ST. PAUL-MINNEAPOLIS	Pioneer Bldg., St. Paul
PITTSBURGH	Frick Building	OKLAHOMA CITY	State National Bank Building
BUFFALO	337 Washington Street	BIRMINGHAM, ALA.	Brown-Marx Building
DETROIT	Foot of First Street	DENVER	1st National Bank Building
CINCINNATI	Union Trust Building	SALT LAKE CITY	Walker Bank Building

Export Representative: U. S. Steel Products Co., New York

Pacific Coast Representative: U. S. Steel Products Company

San Francisco Los Angeles Portland Seattle

Railroad Fences, Gates and Posts Cat. No. 3580
June, 1915 to August, 1915

